THETIMES Higher Education

Cambridge abandons English prelim exams

of un acute staffing shortage which the preliminary examinations this there is to change the whole name of the English tripus.

The Michael Lang, secretary to the

reducing the second strain-faculty's resources.

He warned that outers the mun-er of staff was increased by at sast 10, further cuts would ensue. lecturers were fully accupied idi tearling the "bread and butof the course, they anything

thosever, le thu past four years dis-proportion of callege lecturers used for marking the faculty's examina-tions has been as high as .01 per

the transference the arrangement in a mastisfactory becomes reflege henceus were not involved with the teaching of the faculty and therefore indight, not be as fully

reduninary examinations because any by several of them and although it un acute staffing shortage which the preliminary examinations (bis

about the station problems in the facultes said the simulation was "scandalous". The markers for the preliminary and parrante fripos examinations this year were not all suitable; some were not involved in reaching, others were relived or external examiners. The number of markers was the smallest the further had ever had and each person had an engruous bod.

The lecturers employed by the

college felt exploited, she explained, locause they did not have compar-able salaries and conditions of ser-vice with the university lecturers.

or specialist in content.

Approximental in farm, such as semiand then the farm, such as semiand the decision comes just as a tre
port is due from the English faculty
s whing party nuclea Prateson Frank
formude which has been reviewing
the content and argunization of the
formude which has been reviewing
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formude which has been reviewing
the content and argunization of the
formude which has been reviewing
the rank rights.

At present, the statisticient
and the party and the party statistic formulation of the share of misteristy statistic formulation of the share of the of the sh

fig to need.

He said the faculty would consider whether to relativative the preliminary assumbations in 1974, but he thought it likely they would be abandaned for a considerable

three.
An R. E. Morpherson, the universite registrary, sold that at present there was no university for creating new posts. All that could be done was to create one pass by suppression marking above the market of the create one pass by suppression market market pass by and Earlier this year 17 lecturers sing another sumershere else, and that eas a very slaw process. One cannot lone and conditions of teaching by the faculty were

This ruling was contested by the collective on the basis of a University Grants Committee circular last

sary Grants Committee circular last vear saying that part-line staff were enisted to increases in line with those for full-time staff. But the DES was upheld by the Advisory, Conciliation and Arbitration Service.

The case is the last to be taken under the Torms and Conditions of Employment Act 1959 [section 8] which become defunct at the end of last yen.

OU part-time tutors to get 20 per cent pay rise

The \$.500 Open University partitine may and connections are to receive pay increases of between 18 and 21 per cent backdard to July users the increases. It bad proposed a rise in port-time may lost July comparable with that for full-time staff, but the Department of Education and Science lind said the increase was a breach of the pay well as week that the proposed series in port-time may lost July comparable with that for full-time staff, but the Department of Education and Science lind said the increase was a breach of the pay well as week that the proposed series in port-time may lost a formation and Science and said the increase was a breach of the pay

the defirst Africanian Campinese decided last week that the parithmental fivers entitled to pay increases proportionals in those awarded a full-time staff by the arbitration tribusal last year. The cost to the OU is likely to be about \$350,000.

At present port-line untor counsellors earn £580 a year and course tutors £360 a year. The immediate affect of the eward is that the flat rate fee for inter counsellors will rise from the January 1976 level of £54.25 in £64.10.

vising up to 20 students, (with mit more than full at foundation level; goes up from £173.60 to £204.84; for up to 36 students from £217 to £256 and for up to 56. students from £260 to £105.80.

Staff cut threat to polys

continued from page I sead the sead and continued comicil's resolutions, which they claimed accapted II.BA's policy. The court of governors is considering the resolutions, on Moniday.

At the City of Bondont Polytecknic appealing of the aradumic board accepted a oradigm resolution rejecting the supporters beard organization to governors, intering mest meant in take a similar stance.

Strathclyde to open policy centre

Stratholyde University is to upon a centre for pulley studies with an hairful hudger of £711,000 unit four weeks before the Social Science Research Cauncil decides whether to launch a major period in this

week, the university said the centre rould be threeted by Professor Richard Rose, the American-harn political scientist, who will continue the threesessor of audities as Secret.

investigating the SSRC's rule in pulley studies. They most decide whether SSRC mancy should be

centre rent or the study in givern-nical prevised, a popular theme in underent publical scheme, in Western Europe. This will have a £35,000 grant from the Valkswagen

The estublishment of the Strathelide centre preempts one of the possibilities being studied by the SSRC group -which last week renimed from a vish in the limit-ings fusitions in the limited States— for a policy studies institute with a section in Scaland.

that have already been from the chaice hetween virtuals proposels that have already been from ally put to it and the establishmum of a palicy studies panel in disbursa unnies to projects at a later date.

The SSRC has a number of other lighter studies.

The SSRC has a number of offer investigations of the pulley studies field guing on. The pullitual science contactee, in association with the research initiative heard, recently commissioned Professor Frank Stacuy of Nathinghum University to look at the relationship of sucial science researchers and comming overnment departments.

For the research initiatives beard Professor John Stewart, director of the Institute of Local Government Studies at Dirminghum University, is examining social science reasorch done by incul enthorities. Professor Meurice Kogan of Brunel University, is clairing an inquiry into policy studies in the health sarvice field and will shortly report on the veope of SSRC involvement hore.

which because the case before the last year. The AUT lost its case before the Control Arbitrotion Committee last neck ogninst Manchester University and the University of Manchester institute of Science and Tochnology over salary structures for experimental and senior e Call to produce fewer doctors

continued frem page 1

to £105.80.

The increases will themselves to mile increases will themselves to make the two nulconsides in this with the poy eward to universite and attach two of the pay policy.

The dispute cruse because, while with and pluced them with maches the first cut is made at least 450. The dispute cruse because, while which maches the had pluced them on the council and the first cut is made, at least 450. The dispute cruse because, while which maches the had pluced them on the council and the first cut is made, at least 450. The dispute cruse because, while which maches the had pluced them on the council and the first cut is made, at least 450. The dispute cruse because two of the pay policy.

The dispute cruse to constitute on the related grades structures on the first cut is made, at least 450. The dispute cruse because, while which maches the had pluced them to produce the full cutback further achieve the cummission should take time to produce of full and take time to produce of full and the first cut is made, at least 450. The document adds: "In order to achieve the full cutback further achieves and increase the circulated in councillars. It plupoints 57 ways if erhioving the first cut, more than full discount the first cut is made at least 450. The document adds: "In order to achieve the full cutback further achieves the full cutback further achieves the full cutback further achieves and increases the cut is made to protect it. Atmost of the first cut is made in charging the control the first cut is made in charging the control the first cut is made in charging the control the first cut is made in charging the control the first cut is made in charging the control the first cut is made in charging the control the first cut is made in charging the control the first cut is made in charging the control the first cut is made in charging the control the control the first cut is made in charging the control the contr

Middlesex student teachers face ban after union veto

Student teachers in Middlesex Polytechnic face a ban un teaching practice because of their decision in allow only the National Unian of Teachers to recruit members in their students union.

Already two sringls have sold they will not account students from the polytechnic on teaching practice and the authorities expect thin more will follow soit.

nore will follow snit.

Mr Arnold Cunnun, head of school-based studies, said be feured the ban would spread to all schools.

in Huringey and Enfleld affecting about 40 students.

The pulytechnir had been multied by the local brunch of the National Association of Schoolmasters/Union of Women Truckers that they would also estimate the students presided

Mr Lunrence Novernse, the head said he had received a letter from atcurbers of the NAS/UWT and the Assistant Musters Associating as pressing concern about the situs Annan appeal

"I am completely in sympathy to halt fall with my stuff. If every studen to halt fall mion were in adapt this policy to nembership af every other union to except the NUT would drap mb the standards extent the NUT would drap mb the standards NAS/UWT or the AMA."

He said the school had a coal a by Frances Gibb

NAS/UWT or the AMA.

He said the school had a good result and the school had been supported by the school of the school whose teaching practice of the school of the scho

Joint visit to Mrs Williams over professorial increases

A joint deputation from the Association of Halvershy Teachers and the University Authorities Panel is to professors, which must not be exceeded by individual institution.

State the Education and Science, This is arrived at by dividing the content of the panel. this week to put the ruse for allowing university professors to receive

Under the October ney sottlement professors earning mare than £8,500 a year received the £4 a week increase granted to all staff, but only those on on incremental scale were

not on an incremental scale and so cannot be paid any other increase, Letters an hehalf of some 300 of the 3,300 university professors have been sent to the AIT since this information was circulated demanding that the union press for a national incremental scale for professors.

Cambridgeshire cut | Scottish college jeopardizes jobs

Hundreds of teaching jobs will be put in jaopardy if Cambridgeshire County Council goes aheed with radical plens to out its education budget by nearly £5m in the aext finencial yeer.

The cuts, which will force the closure of et least throe further education centres in the county and cause a drastic reduction in discretionary arant everde, are

Hundreds of teaching jobs will be put in jaopardy if Cumbridgeshire County Council goes aheed with radical plens to cut its education budget by nearly £5m in the aext finencial yeer.

The cuts, which will force the closure of eleast throe further education centres in the county and cause a drastic reduction in discretinaity grant everde, are being threatened hecouse the Torycontrolled council has decided to hald the domostic rete increase et 15 per cent in spite of the county's pour rate support grant settlement.

A controvorsul document, propared by Mr Gooffrey Morris, chief education officer, antilling methods of meking the cuts has been circulated in cuts has been circulated in cuts has been circulated in cuts for future teacher demend primary and countrillors. It is plupoints 57 ways of erbioving etc.

sous grados "rathor elam on the other related grades structure, on which Manchester had pluced them."

1 to polys

The ucademic bourds of the Polytechnic of North London are during the mux three weeks.

The Department of Education and Polytechnic of North London are during the mux three weeks.

The Department of Education and success the Education of Society the following the mux three weeks.

The Department of Education and circuits and cular to locol antiuriles that nultive cular to locol antiuriles that nultive cular to locol antiuriles that nultive resides and college should be proparing to reduce their overseas at all of the college of the college of the college of surges reductions. The social plants in this week's pristic technic of social plants in the surge of surges reductions corried would be propared to locol antiuriles that nultive cular to locol antiuriles that nultive resides and college in the college of surges reductions and further where the cumission should the setting of the college of surges reductions on a message of the college of the college of the college of surges reductions on a message of the college of the college of the college of surges reductions on the captions of the college of surges reductions on a message of the college of the college of the college of the college of surges reductions on a message of the college of the college of the college of the college of surges reductions on the captions of the college of surges reductions on the captions of the college of surges reductions on the captions of the college of the college of the college of surges of surges reductions on the captions of the college of the col

number of professors into the total professorial sulary bill. But because of the pay policy, universities are not eblo to give nure in prafessor in relse the average pay of their justification in the permitted success.

arguing the ease for at least a partial scale for professors. Mr Sepper said. Some universities pay all professors the everage figure and professors the everage figure and utbers have introduced a salary scale with annual or blennial intro

meats for prafessors.
Others, hawaver, operate accret scale and muve individual an at the discretion of the ricchancellor or by other processes, often not widely knawn within

contraction nrged

Higher Education SUPPLEMENT tannary 28, 1977. No. 275 'Fire brigade' to investigate

The ulleged waste of large coms of

infurmation on polytechnic epending
infurmation on polytechnic epending
will be to examine the management of funds by student unlane.
At the same time CLEA will usk
the Department of Education and

Science to review the inlytochaic articles of essociation which gire same student unious extensive freedom to spend the maney thoy re-

dedict through grants.

Many polytechnic directors support this scruting of student union finance. Mr Terenco Miller, director

THE TIMES

public numey in palyrechnic student unions and canteens is to be investigated by the local anthurity associations' new coat control union.

The first task of the Connect of Local Education Authorities' "fire brigade"—set up to provide detailed information on polytechnic encoding. the callege's annual report.

by the local brunch of the National Association of Schoolmasters/Union of Women Tauchers that they would take action if the students persisted in their decision.

Student teachers on the polytechnic's Trent Park site voted in allow only the National Union of Teachers in recruit members in the students' union and to distribute literature thete.

One of the schools which has refused in accept Trent Park students on teaching gractice is Highbury Grove Camprehensiva Schuni.

Will be allowed to canting, which the allowed to continue.

Mr Norman Venditteli, vice pres it is suggests that a new Education dent of the Trent Park site student in the risse was the continuent of the Trent Park site students' unions to be the interest of the right of students' unions to be the interest of the right of students' unions to be the interest of the right of students' unions to be the interest of the right of students' unions to be the interest of the right of students' unions to be the interest of the interest of the right of students' unions to be the interest of the right of students' unions to be the interest of the interest of the interest of the right of students' unions to be the interest of He argues that sloppler thinking, about within wider mental furtzons, the result of the higher education expansion in the past 15 years.

who has ectively urged the Inner Landon Education Amborby to take steps to curb student unlinus this week welcouned CLEA's decision. nne sense children tuday are muer educated, he says: bnys and

"It is e vary timely inquiry," he "It is a vary lineary inquiry," he said. "For example in my own polytechnic where the ethical union inchme is niver £80,000 that 50 per cent or more of the mency is spent on 'administration'— subbatich ufficers and the like, Only 20 per cent of the money is spant on clubs

Infilited tontrol end indiging by a little in last week's Kducution mingazine by Mr Michael Brown, the send finance finance in last week's Kducution mingazine by Mr Michael Brown, the send finance in last week's Kducution mingazine by Mr Michael Brown, the send finance in last week's Kducution mingazine by Mr Michael Brown, the send finance in last week's Kducution mingazine by Mr Michael Brown, the send finance in last week's Kducution mingazine by Mr Michael Brown, the send finance in last week's Kducution mingazine by Mr Michael Brown, the send of the money is spant of the send of the mingazine by Mr Michael Brown, the ming Graduate demand likely

A substential apsurge in dement for graduates by the private sector in 1977 will mure then offset the dramatic reduction in the public scotar, four leading organizations concerned with graduate placement predicted this week.

to rise by 4 per cent

and societies yet it is for them—
groups like the football rlub are
crying out for maney—that the
180,000 is largely for. This situation
certeinly holds elsewhere."

The teem of cost controllers about
to be appointed by CLEA has been

poly student union costs

money on student catering which "runs into eight figures". It is thought proposule fur political action on pulytechnic food subsidies will be just before CLEA by early

the wark of the tire origine will be enthusiastically available in many polytechnic finance officers. Many of the mare auxions in tighten up finencial control end judging by a letter in last week's Education magazine by Mr Michael Brown, the

The number of grants for research and further study was experted to be the same as 1976 but increased competition was likely. There would

be slightly fewer places on teacher trulting courses in 1977 but not all the places available lust year were

of nicknamed the "fire brigade" because it is intended to drap in on aspects of the finance of advanced further education and drow uut information oud comparisans between institutions that inve not so far been available.

Its sacand task will be to invessing a subsidies on refectury meals. An afficial of CLEA said members were concerned about the waste of the constant of the said.

Easter has been given e qualified welcome in same polytechnics. Miss M. R. Hurdy, easistant director of Haufield Polytechnic, cumphasized haw much polytechnics and the responsibility shawn by their student unions differed. The main value of the CLEA exercise would be in the basis it half far comparisons of costs between palytechnics. Miss M. R. Hurdy, easistant director of the main waste of the polytechnics and the comparison of the constant nics, alle said.
There is a widespread atomade

There is a widespread arbitude among both meadendes and finance affirers in the unlytechnics that most of the available information an refectorles is already achilable—frum the Committee of Directors of Polytechnics serretarian or from informal surveys carried out by the fluence officers' group. What is needed, suld Mr C. J. Harris, fluence afficer of PNI., is a political decision on subsidies and on the level of sudent grants.

Officials of CLEA du out expect the DES to make any immediate

the DES to make any immediate move an palytechnics orticles a association. This would trespass untile area heling considered by Ma

Protests greet list of 27 new closures

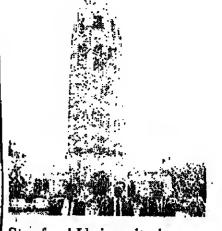
A berrage of protests is being pre-pared by local authornies after the Gavernment's announcement this week of the nemes of 27 colleges which it believes should coase teacher training.

The colleges, local authorities and churches have putil June to put forward thoir ubjections. Mr Gurdan Oekes, Mioister of Stato fur higher reducation said the feeling in colleges

filled.
Mr Conk said: "As usual about une sixth of the first degree gradu otes will be in applied sciences. The rest are divided more at less evenly between pure science, arts and social studies. The decline in the number of graduates in applied and pure sciences oppears to hove been exceeded out in some disciplines there will be an increase in 1978."

Contents

Stanford at the ton



California is approaching pecking order of American universities. Michael Binyon reports, 12

Teaching history

R. I. Moore discusses the durability of Oxford's approach to the history curriculum 🛶 influence at other universities, 14

Sociology books

Crime, bureaucracy, marriage and the London docks are among the subjects covered in four pages of sociology books,

European rectors

Paul Moorman describes the persistent attempts to maintain an east-west dialogue among the rectors

raes 1,800, braes 1,800, braes 1,800, brown 1,450 and precise property of the state	ard Annua lice opinions, more opan to new eas ond had a better visuel aenso. "But agalust this are the bloak ris that menipuletion in methe- alics, necuracy in the humanities, de clarity in expressing eneself in he's own longuage, heve all clined." Industry, business, banks and stined." Industry, business, banks and lines who take schoel cod univer- industry, business, banks and strines, declara thay were less that the calculate and write clear industry is a calculate and write clear industry, business, banks and lines studying for oign languages as nor owidesproad. A naw oducedion Act would aisn fine which higher cducation insti- tions should offer what. The coun- fines should offer what. The coun- fines should offer what. The coun- lard so meny university and poly- chaic departments with suck fav- irable steff: student ratios. The universities abould be eaking at wat a the ventures they could hat wat a the ventures they could at wat a the ventures they could be concerned that in 1966 in- line's shore of graduate employ- int was 24 per cont ond that in 's it is ander 16 per cent?	in 1977. Recruitment by the public utilities was olse recovering from e very low level. However, Mr Donaid Cook, chairman of SCOEG, werned that while there were strong eigns of a continued increese in demand for most types of engineer, e demend that would egain not be estisfied, that response from "treditional "recruitment arees would not be sufficient to obsorb ell the edditional greduates eoeking employment in 1977. He added: "This year, like 1976, will be e difficult year for greduates, aithough the fact remaios that they ere in a much stronger posttion then most of the population." There still existed a wide rengal ut jobs with various types of employer where demand was unantisfied, said the four organizations. Computer programming, production menagement, tile armed sorvices.	ning and 7 per cent had continued their ethdics. This level of unemployment was very much higher than the 4 per cent recorded in a smaller aculo survey of 1975 graduetos from plenting actions. This year the survey covered graduates from 53 courses, includ-	Individual local outherities end culloges expressed enger and surprise of spine of the proposale. In Continued on back page Lord Gardiner is new OU graduate Lord Gordiner, the former Land Chancellar end chancellar of the Open University, is among 5,800 etudents to greduate from the OU this year, it was revealed yestordoy. Ho took up his studies ofter becoming chancellor in 1973 and has comply	Overseas news 13 Books 16.21 Chassified index 22	المكذا سر لأجل

'Garden suburb' university expansion lambasted

A devastating attack on the expansion of university education in the 1950s and 1960s as the "fugged-out end of the garden suburh movement" was made by Professor Bernard Crirk last week in his helated inaugural lecture as professor of politics at Rirkbock College. us prafessor of politics at Birkbeck College. New universities had been created at vasi expense with the names of famous cities, but oll, without expensions.

expense with the names of famous cities, but oll, without exception, were campletely self-contained and for outside city walls, he sold.

The obviaus alternative was to have developed the then quite small civic universities which were, on the whole, firmly embedded in cities.

I suspect an Oxbridga bias against industrial cities and industrial England, exercised, moreover, by civil servants with the mentality of commuter-bolt pseudo-gentry.

over, by civil servants with the mentality of commuter-bolt pseudo-gentry.

"Who can look at Kent, Warwick, Essex, Brighton, Yark end Lancaoter without seeing the fagged-aut end af the garden suburb mavement? Na wonder many af them have been ouch disturbed places.

"What collective lunacy or architectural arrogance ever thought-af putting three thougand young peaple otraight from school out in the fields together, as if learning and life can be always and life can be always as the service of the

of cities?"
The university-educated elltes had acted reck-lessly and selfishly. They ignared adult, continuing and post-experience enlucation, youth end community services so being socially

Income shows

determination

'to earn keep'

the council meny new opportunitlas to extend the services it could pro-vide beyond the bands of its own

whather thay should not be doing still more."

Report evailable from HMSO, 50p British Council Part 2, page 7

Holiday and travel

"helow the sah" and economically irrelevant. They left teacher training in prand but stagment municipal isolation, instead of integrating it fully with higher education.

He arged a massive reallocation of resources in education, which university teachers would do well to join. Instead of the binory distinction, there should have been "multi-universities", where the violational, cultural and scientific should have viabled shoulders.

By being limited to the vice it is a second to the property of the second to the seco

By being limited to the scientific and cultural, iniversities were in danger of becoming as sterile ar irrelevant os a Parliament that limited its alchate to constitutional matters, ignaring the economy, production and rulturo.

Universities often account to soy that eny encouragement of culture and learning except through themselves was a threet. But the country needed centres and devices of higher learning other than the "at times awful formality and laboriousness of universities and neighborhouses."

polytecbules".

Education casts should be operad more fairly through the system, he said. "Rathor than the last new university I would have liked to have seen a new breed of tutor-librarians in each major public librory to help peaple with self-study, and two or three small-size meeting rooms in each library where WEA and extremunal octivities can take pisce." More money could also be apen on the Arts Cauncil, whosa funding was "pathelically small" compared with that for the universities.



Professor Crick questioned the benefit a department, where all members knew each ather's views, it man wants need "almost superhuman powers af self-renewal nat it lapse, by middle age, into a pelantic and bireaucrufic paraly of his yanger self".

If academics insisted on taking for granted If scalenics insisted on taking for granted the same occupational security us those in the civil service, could they resist a public and political demand that they shauld be treated as a service and circulated from time to time, and perhaps not be pramoted or illawed pass that efficiency has unless at least meethird of their time had been elsewhere, he asked.

He suggested that ways might be found for acadomirs to work in schools and further enlucation far a while so that no one worked in one kind of institution all his life. Sabhatienl entitlement might also be universal and not applicable only to higher education.

London v-c's bleak view of cuts

Nearly 12 per cent of the British Cannell's ostimated 175m expenditure in the next financial year will be roised by its direct earnings or through the reinburseonout for services to international agencies end overscas governments, Sir John Liewollyn, the council's directorgeneral, has predicted.

Writing 13 the councille 1005 50

through Govornment cuts, Sir Frank Hartley, vice-chancellor of the Univoroity of London, warned at a moothing of the univorsity's canvocalon on Saturdoy.

The Exchequer was aiming at a marked roduction in higher education genets, he soid, especially to reduce the number of postgraduates.

This university has a much place the canton of postgraduates at the case of providing these fucilities in aur univorsity teaching hospitals will caminue to be protected. It is some 28 per cent) thought a third of the action of postgraduates at the same 28 per cent) thought a third of the reducers of the case of providing these fucilities in aur univorsity teaching hospitals will caminue to be protected. It is some 28 per cent the case of providing these fucilities in aur univorsity teaching hospitals will caminue to be protected. It is some 28 per cent the case of providing these fucilities in aur univorsity teaching hospitals will caminue to be protected. In a bid to help, Mr. V. Hoard of the case of the convocation would at a third of the reducers of the fifteets of changes in foes, portice of the effects of changes in foes, portice of the fifteets of the fifteets of changes in foes, portice of the fifteets of changes in foes, portice of the fifteets of the fi Writing in the council's 1975-76 ennual ceport published on Wednesday ha oaid: "It is eatimated that clase to 12 per cent of the council counc clase to 12 per cent of the council expenditure will come from sources other than British public funds, in comparison with 8 per cent in 1974-75. This marked improvement in revenue reflects the councile determination to help oarn its keep in lead times." Ho added that it would continue to develon its revenue-carning efforts. The oil-producing countries could now buy their development assistance from Britain and offered

wide beyond the bands of its own budget.

"This year, at a time of severe finencial constraint and continuing cuts in public expenditure, the council has taken several steps farther in that diraction, providing services undor contract at full costs for some of ite customera and charing costo with others", Sir Jahn sold.

Commending on the current review of Britein's overceas representation by the Central Policy Review Staff under Sir Kenneth Borrill he said: "Wo walcome the opportunity to neve another loak at the part cultural reletione play in our international affaira. By which f mean the whola range of our overseas connexious in education, scionce and recinalogy, es wall as the humanities, the arts and related fields."

But Sir John warned: "Britain rune a seriouo risk if it undarestimence the significance of cultural relations. In the foreign policies of states with interests very similar to our own, France and Gecmenphasis is placed on this aspect of international relations, end even now they are asking themselves whather thay should not be doing still more."

by Owen Surridga

"Further difficulties arose through the Government's underprovisian of funds to meet the interest and recoup income lost diroagh Government outs, Sir Frank Hartley, vice-chancellor of the University in the leaching hospitols would also suffer from the proposals ta also suffer from the proposal

Tha Journal of Chemical Research will be published in Londan by the Chemical Society, but it is jointly sponsared by the French and German chemical saciatiae and supparted by other European sociotica. The synopsis/microform approach, which is just beginning to catch on amongst periodical publishers, who is dapends on the saparation of the current awareness (or "browsing") and archival roles of the primary science journal.

It will be published in two ports:

The drawback is that the author

guide published

Datails of exchangae, language coveres, study holidrys, international meetings and school party travel are all contained in the latest edition of School Travel and Exchange a directory of instructional, adventues for young people. Availabla from the Central Bureaut for Education of School Prayer (Amozona versicolox) for young people. Availabla for young young

Close collaboration and the providing so the properties and providing so the providing so t

or three years' the stat They fared much worso than station eases." In saged of the first year of the first year of the first year of per and using the first year of per and year of students. Technical personal list fiercely attacked the first year of the worker than the proportion among older students. Technical personal list is truents. Technical personal list is tr

Bon the Government arely chousing to reduct STMS used Birmingham ting local authority for STMS used Birmingham rhanging pulley tegace is pute to win more holidays

of State for Education,

a Labour ane, should by Judith Judd

u pulley which will had you begin to the tought will had a state of the conducted by Mr Bird, ASTMS notional organizer."

althouse well him pretor of infliescale grouped in the
color of finitescale grouped in
color of

and lacinology said in a report this week.

Energy Secretary, Mr Beno, should not reversa the decision of June, 1974, to rely on Steam Generating Hoavy Water Reacting Hoavy Water Reacting Hoavy Water Reacting and suffery reviewe show conclusively that on alternative system would have significant advantoges in lering of cost, export potential and starting date.

If the SCHWR is rulad out by "overwhelming" cast disudvantage, the cummittee favours reviving British advanced Gas-couled Reaction programme. It regords the putting of American Pressurized ficiumt information is apparently Hospital Reneration the Committee rejocted thu evidual mode once from the Countrol Elegatrichy once from the Schwar and the Alomic Energy Autharlty that the renewal of the Energy Autharlty that the renewal of the Energy Autharlty that

Tuwer of the Winds, Oxford, May be pact of new callege.

Oxford hopes to start new medical postgraduate college

Oxfuril University wants to found a new college for its increasing justing additional medical students. If proposals to be discussed by Congregation on February 8 are approved, the Rudcliffe Observatory, including the eighteenth-century Tower of the Winds, will be made available. The suggested name is Rudcliffo The suggested name is Rudcliffo

The observatory, close to the Rod-cliffe Infirmary, should become free when the second phase of the John Badeliffe Hospitul at Headington is completed in 1979.

otercial links with some market tesearch firms.

Nagollations between Mr Narona
Stagg the deputy general secretary
of the UPW and senior researchers
at the unit have gone on for some
minity to refine the research. In
its final form, valued at about £8,000,
the project gives more scope for
"academic" benefits and is less tied
to the UPW's particular interests
in antolgamating with the other Post
Office unions, which apart from
those mentioned include the Civil
and Poblic Services Association and
the Society of Civil Servoms.

The Warwick unit, directed by
Prafessor George Baln, a member
of Lord Bullock's committee on todustrial democracy, is generally
held to be one of the SSRC's must
successful. Through its advisary
board and previous research it has
been accepted by both sides of industry as an impartial source of
knowledge on Industrial relations.

Applied research such as the nvruugements.
Although junior members of Rud-

cliffe Callege would almost ull be clinical students, senior members would came from a more varied hackground.
Some benefactions have already

Some benefactions have already heen received or prunised, but a lar more money will be needed to endaw the callege and make it finencially self-supporting as quickly as pussible. "The new society can be estublished only if it is not e droin on university funds ar existing colleges", said Sir Richard Doll, Regins Professor of Medicine at Oxford.

University authorities believe the new society will be needed by the time the total number of clinical students reaches 300 in 1981. Their present social base, Osler House, is

London answer to NUS travel

Members of the ASTMS are picketing in support of their claim for 35 doys' holiday which they say they are entitled to university says the ogreement. The university says the ogreement is far 30 days.

Mr Bird sold he had no recognite the place of the bureau, being the bureau, being the bureau to take the place of NUS executive, has discussed the NUS Truvel which callupsed last contracts with travel operators and lost week gove its go-ahead to the scheme.

Mr Broyshew, a committee member of the NUS executive, has discussed that the place of the NUS executive, has discussed the scheme.

Nus executive, has discussed that the place of the NUS executive, has discussed that the place of the NUS executive, has discussed that the place of the NUS executive, has discussed the scheme.

Nus executive, has discussed that the place of the NUS executive, has discussed the NUS executive the NUS executive the NUS executive, has discussed the NUS executive the NUS executive the NUS execu

revealed this week, of nearly Mr Broyshew, a committee mem-£900,000. The burean, being ber, said this week: "We are trying established as a limited liability ro raise £5,000 in capital initially sa that we can aperote this summer."
The campony would recruit three staff who would be selling similar charter flights to those ance offered by NUS Travel, Transalpian rail tickets and bookings on cruss-Channel ferrica.

"We have also uppraoched British Roll obout their discaunt cards and they have agreed orally to let us sall tham. We are now waiting to complete a formal ogreement." fle added: "The first responsibility will be to provide a service to Landon students and to fill the gon left by NUS Travel. If any prafit is made in the first two years it will be ploughed back".

A Nutional Union of Students' subkannon solil this week that WUS Travel dehts were now expected to total nearly £900,000.

knowledge on Industrial relations. Applied research such as the UPW project is known to have been encouruged by rhe SSRC chairman Mr Derek Rabinson, fellow of Mngdalen College, Oxford, and former deputy chairman of the Pay Board. As reported in The THES last week Mr Robinson and two members of the council will produce a report shortly on the SSRC's future role in policy studies and the extent of sacial science invalvement in government.

a team from Warwick manitoring attitudes in the Pasi Office and discavering how the process of hargelining warks. However, if the engineers of the order Post Office unlans object it would be very difficult to callect informadou.

SSRC caught

A £30,000 research contract with the Sucial Science Research Connect has caused a big row within the Post Diffice over the overlapping responsi

Office over the overlapping respon-sibilities of its various trade unions.

The Bulon of Post Office Workers approached the SSRC's judostrial telations research unit at Worwick University last term with a prin-ject to examine a prosable consti-tution for a single trade union link-ing all Post Office conkers together. The move had the upresent of

The move had the ugreement of the Post Office Manageoneor Staff

Association but has caused consicr-notion in the Post Office Engineer-

ing Warkers Union which inter-preted the move as 8 take-over hid.

preted the move as a take-over hid.

The UPW move followed the unit's interest in what is called "industrial midmism"—the establishmen of a single negotiating lody for all the workers in one industry. The SSRC mains have not previously carried and paid contract research for muside bodies though the former Survey Unit did have consterved links with some market research firms.

Nagonaniums between Mc Narona

in trade

union row

Study will look

An Investigation into the cureer An investigation into the cureer structure of further education teachers and their promotion prospects has been started by the National Faundation for Educational Research. The research team, hasded by Dr Judy Bradley, is to compare the careors structure of teachers in different types of further aducation and contrast them with thuse of staff in schools and universities.

The procedures far appointments and prooted will be examined and the coreer patterns of a sample of lecturers investigated. The toam also plane to ask questions obtuit the value of teacher training

The Gavernmant should cannot itself without delay to British technology for the next generation of nuclear power stations, the Continuous Solect Committee on Science and Tachnology said In a report this week.

Energy Secretary, Mr Beno, should nat reversa the decision of Jone, 1974, to rely on Steam Generating Haavy Water Reactors and safety reviawe show conclusively that on alternative system would have simplificant advantages in Jerus.

Water Reactar technology as the last deciroble af the three options. The country to proceed with confidence — at whatever pace or the hard confidence — at whatever pace in making o final chaice of reactor and puwer engineering bidnstries. The committee rejocted thu evidence for the fallow passibility that the renewal of the argument obaut the chaice of reactors only be comployed as a slevice and safety reviawe show conclusively that on alternative system would be applied by the passibility that the renewal of the argument obaut the chaice of reactors only be comployed as a slevice and safety reviawe show conclusively that on alternative system would be applied by the passibility that the renewal of the argument obaut the chaice of reactors only be amployed as a slevice and safety reviawe show conclusively that on alternative system would be applied by the passibility that the renewal of the argument obaut the chaice of reactors only be amployed as a slevice and safety reviawe show conclusively that on alternative system would be applied by the passibility that the renewal of the expensive that the sequence of the lambde of reactors and puwer stations."

The country to proceed with confidence — at whatever pace — to the country to proceed with confidence — at whatever pace — to the country to once from the Central Research — the country to proceed with confidence — at whatever pace — to the country to once from the Central Research — to the country to proceed with confidence — at whatever pace — to the country to once from the country to once from the Central Research — to the Recearch will be carried out by a number of surveys supplemented by in-depth improviews. Initially all Incol education authorities are to be asked to provide information regarding their divulvament in appaintment and promotion procedures in the further education insiltutions for which they are respon-

A quesilannaire is being sent aut to callege principals and department heads nationally later this mouth to be followed in May by a survey of 8,000 college lecturers. A cotall pro-portion of those campleting this stage, will be interviewed or length to provide additional materiol.

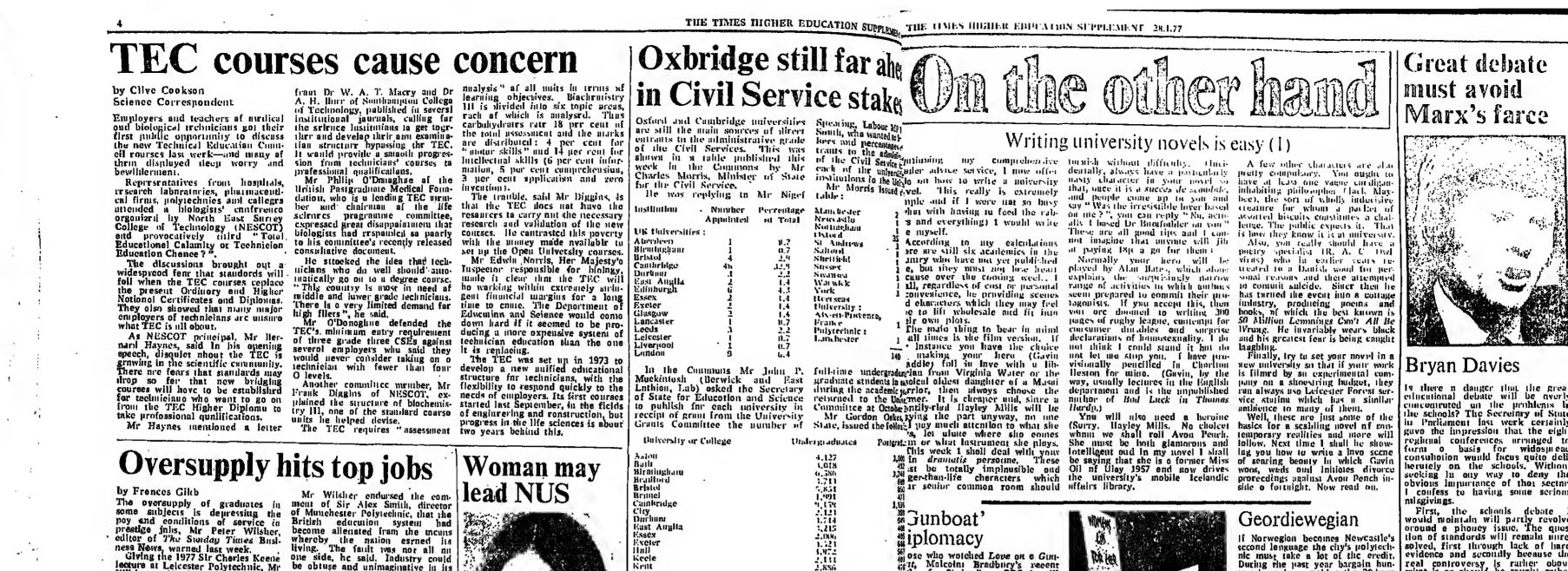
The investigation will extend an earlier NFER survay has the carear structure of achaol taschers.



Asion Baili Birmingham Bradford Brinel Cambridge City Onthin East Anglia Exeler Hall Keele

lanteaster Leeits

Great debate must avoid Marx's farce



Is there in danger that the great collectional debate will be overly concentrated on the problems la the schools? The Secretary of State in Parliament last work certainly gave the impression that the eight

If Norwegion becomes Newcastle's second lenguage the city's polylechnic must take a lot of the credit. During the past year bargain hunters have been making the 20-hour bout trip over from Bergen to take advantage of cheap British prices. To help confused shopgiris Newcastle Polytechnic next week lanuches a course of intensive Norwegium for sales assistants.

The organiser, Mr Paul Perkino, a cenior lacturer is the longuages deportment, said it would run each evening from four till six, five days o week for six weeks.

He seys the polytechnic has alwoys taken e highly prectical sporoset to longuage teaching and this course is no exception. Most of the expressions taught will be on the "what-size-toupé-does-your-hus-band-take?" lines.

"Thate ore up to 1,000 Norwegiens shopping in Newcastle at any one time. They often shop in syndicstas for peopla of home.

Feshion note: the most papular has par Norwegiens accounted.

problem of a traoning and map-power policy powerts. Whitehall tangles off a significant scale

Whilst local education authorings Whilst local education authorities are demanding contonies from the further education college on one hand, the Terming Service, Agency and the Department of Employment are pourping out fund, such the other. In higher education the polytechnics, created deliberately to provide a wide range of full and marginalizations counters, with class list. paratime courses with close links with industry have with rectain autable exceptions increasingly slied their lawer level work and deceloped aris courses in profit

These disadvantages are greatly tolutorized, as in Victorian Britain, by the fundamental problems of social values and social class. Britain's upper and middle classes show that same lack of sustained interest in technological education which was characteristic of their late nineteenth-century forcheors, The establishment in this respect The establishment in this respect has learnt nothing and forgutten nothing. The Duke of Edinburgh may after the appearance of wishing to enulate the endicol scientific heat of the Prince Consort but the chicarion of the royal children is strictly public school and Oxbridge, in that they are not infrequently joined by the affspring of high ranking civil servants who consider the state system they administer inappropriote for their own children.

the schools? The Secretary of State in Parliament last work certainly gave the impression that the eight regional conferences arranged to form o basis for widospieed consultation would facus quite deliberately on the schools. Without seeking in ony way to deny the obvious impurtance of their sector, i confess to having some serious misgivings.

First, the schools debate i would mointain will partly revolve oround e phoney issue. The question of standords will remain mire solved, first through lack of hard evidence and secondly heeause dio real confroversy is rather obout what is or should be taught rather than the level sitained. I imagine that I am not alone in being some of fruitful conclusions on a national lovol to this problem.

Of equal concern, however, is the feet that a an important dimental formers is of lower value. The old the feet that an important dimental formers is of lower value. The old the feet that an important dimental formers is of lower value. The old the feet that an important dimental formers is of lower value. The old necking order retaining its vigour. Thus a privileged minority of the

Mr Wilsher endursed the comment of Sir Alex Smith, director of Munchester Polytechnic, that the British education system had become allectated from the incurs whereby the nation esrned his living. The fault twas not all mone side, he said, ladustry could be obtuse and unimaginative in its attempts to amploy the products of the education system.

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The oversupply of graduates in some subjects is depressiting the poy and conditions of service in prestige inlis. Mr Peter Wilsher, editor of The Stonday Times Business News, warned last week.

Glving the 1977 Sir Chorles Keene lecture at Leicester Polytechnic, Mr Wilsher said that this would be tolerable if they were eble to switch their tolents to other related disciplines, but this was becoming less feasible.

Another effect of oversupply of the highly qualified was that it drove grothouses into professional, monomonagerial jobs, making life tougher for the less qualified school leuvers with whom they were now in direct composition.

The whole market for even medium-qualification jobs was in donger of becoming progressively distorted. "As the general level of education rises, this ropresents both to tox on those with lower qualifications and a devoluation of each given higher qualification."

Mr Wilsher endursed the comment of Sir Alex Smith, director of Munchester Polytechnic, that the British education system is had become allegated from the ucums whereby the mainton esrated in the meant of Sir Alex Smith, director of Munchester Polytechnic, that the British education system is had become allegated from the ucums whereby the mainton esrated in the meant of Sir Alex Smith, director of Munchester Polytechnic, that the become allegated from the ucums whereby the mainton esrated in the unums one side, he said, Industry could be obtuse and unimaginative in its attempts to amploy the products of the education system.

It was in the polytechnics that to proper bolence was being ournek between society's demand for trained professional skills and the supply. "It is the polytechnic mowadnys which lives in the real ward, elipsting constantly to the structure of training needs end the clausing economic finx."

To the polytechnic the difficulties of the Inlustrialist and the business man were a maller for sympathy on diegitinate concern, and not, as they tend to be elsewhere, "In subject for idealisted from the unums o

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Sue Slipman

by Peter Wilhy

by Peter Wilhy

The National Union of Students is likely to elect the first woman president in its 55-year history ut its next conforence in March.

At a meeting loot weekend members of the dominont Broad Left group agreed to cominate Ms Sue Silpman, 27, as their candidate for the presidental elections. Ms Slipman, cutrently the union's treesurer and a member of the Communist Party's national executive, would succeed the rurreot president, Mr Charles Clerke, when he enimpletes the customery two years in office next August.

Ms Silpmen stands on the liberal wing of the Communist Perty and bas been a strong campelgner on women's liberation issues. The deughter of a Lohdon text-driver, she became a Communist while reading English et St Devid's College, Lampeter, Letar, she studied at Leeds University and qualified as a teocher.

Her mein rival for the Broad Left nomination wes Mr Peter Ashby, the current deputy president. The meeting supported Mo Silpmon by a majority of ebout three to one

meeting supported Mo Slipmon by a majority of ebout three to one, largely because of her longer experience of NUS office.

Her opnonents will include Mr Steve Moon, of Birmioghem University, the solitory Tory on the present executive. One of the two International Socialist members of the executive, Mr Andy Durgon, of Fortsmouth Polytechnic, and Mr Greham Thrrfol, of Portsmouth Polytechnic, and etand.

etand.

The other condidetee chosen by the Broad Left meeting are: deputy president: Peter Aohby; secretery: Trevor Phillips; reasurer: Penny Cooper; vice-president, education: Dave Aarouvitch (currently vica-president, services); vice-president, ocrvicas: Chris Preit (Leeds University); vice-president, welfare: Sue Robertoon (Bristol Poly); vice-(nresident, areas: Paul Blomfield (York arre rheirmen). (York arre rheirmen).

A Company of the control of the cont

10101112Cy 1010 ose who wotched Love on a Ginglist, Malcolni Bradbury's recent 1011 for Today" on BBC 1, will 1012 be becu struck by the feet that if in itained little love and no gunboats 1.111 atover. So why the title? "It was impeloide", said De Bradbury. 1015 the University of East Anglia and 1111 the University of East Anglia and 1111 the working title was Missing ne which litted in quito well 1.111 he story line obout o 1950s 1.111 iversity graduate reflecting on his low 7s of onger from his restless 1.191 ourban affluence. However, Dr 1.011 adbury's choice was The First 1.111 d. War. The idee here was that 1011 d. War. The idee here was that 1011 d. War. The idee here was that 1011 d. War. From Suez to the 1012 d. War tho notion hos been in 1111 process of resigning that moral 1.111 in process of resigning that moral 1.111 in the content of the second of the second

for the future of the European Rectors' Conference (CRE), the European body with which Britoin'a vice-chancellors have most contact and most sympathy.

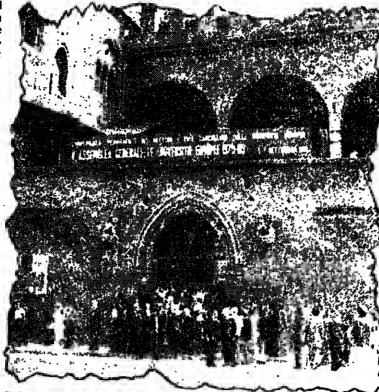
Aftec 15 years of relatively unruffled dovelopment, the CRE was suildenly, in 1974, exposed to a political ouslaught which, although failing to break the structure of the organization, gavo clear infinations of its moctality. The onslaught is now coming to o poak.

The trouble has been the Russiana. Or, if you prefer, what tha Russians term the "provocativa Cold Wur" preamble to the CRE's constitution—especially the parts which refer to "acadomic freedom of expression and communication ".

Despite its titlo the CRE, set up in the 1950s as the result of e British-Bonelux countries initialivo, has been and still is overwholmingly a western European body. Participation by the socialist block too been limited to maycrick Yugoslavin and, more recently, Polnud. Other east Europouns have mails only token oppourances at moetings. And the Soviet Union ltself hoe maintained un almost total boycott.

Because of this and bocouse of CRE was headed off by promises the growing nurmurs of detente, e to the Soviet Union of bohind-the moeting of Unesco's Ministera of scenes talks sincel of changing the Education in Bucharost in 1973 sietules of CRE in such e way as respectively level. The resolution spoke of insing, if possible, "existing structures", which meant the CRE. Since then the CRE has been fighting a successful rearguard action to prevent itself becoming to make them uccemble to the way as which so commends the CRE to the British. The CRE has always taken grent care to be "man-political" in its stance. It is the recomble to the CRE which so commends the CRE to the British. The CRE has always taken grent care to be "man-political" in its stance. It is there which so commends the CRE to the British. The CRE has always taken grent care to be "man-political" in its stance. It is their which so commends the CRE to the British. The CRE has always taken grent care to be "man-political" in its stance. It is their which so commends the CRE to the organization.

An unscomly argument call and alternative to make them uccemble to the way as the call and the call



Bologna: East and West most of 1974's showpiece conference.

research and the prodoms facing new university teachers.

Making personal contacts and exchanging opinions on a prognatic, informal bases with a view to helping to herter understand problems at home are, in the Builsh, the essence of CRE. And it was these characteristics that they fell were at risk if the Vienna antendaments had panel through.

As the dust settled after Vienna, the question still remained whether the CRE would furn into a small number of committee talking in a vaccinan.

Br. Albert Shuman, vice characteristic flat a fee we will be contained the continues of prognature of the contained to the co of European academic opinion if a new all-European grouging were set up independently of it. It is this which, much to their chaptin, continues to divert the energies of the CRES bendere the CRE's leaders.

nre taking over, and we regret this. We see the unique contribution of the CRE as being that it is the only farmin where university heads with this, altige the possibility of links with this altige the possibility of links with and Scandinavian groups are functioned the CRE extend its last to include more constructs, but not at the described to between two departments has a described to be seen the construction of the control of the co "luck in squaren farmed, Council subsidies con-while the legge for two years while the council Athens University solution and assessed. the expense of CRE's identity.

am sure many problems between the different pairs of Europe would disappear if we could talk other and informally. Europe would disappear it we could talk after and informally. The retters for the vectors for the vectors for the retters for farilitate far more orademic deal with the far-exchanges between institutions. Protest leners to The Traces about the difficulties of some individual accidence are far less effective than the more in 80 of £30,000. Botween 1972 and creation of £31,000. Botween 1972 and creation of £31,000.

to be held in grant towards the cast of visits year indicating facademics between colleges, universe working outsitos and research institutes in The meeting details and Europe willot they exwite this, allows and the control of the zution processes."

> The Council pracides a comprehensive study tour service for groups of academics or specialists wishing to visit Britain. Althungh the Council do un spousor the visitors, a complete from programme is organ-ized by the London hemiquarters.

Last May, 10 Freuch adult education experts, including two represen-tatives of the Agence National pour le Daveloppement de L'Education Permanente, spent a week observing British adult oducation and communi-ity development. They visited the National Institute for Adult Educa-tion, the Marylehone Adult Educa-tion, the Marylehone Adult Education Institute, and the Sidney Stringer Community College at Caventry,

The Council maintains that although such visitors pay their own way they get full henefit from their visit herause of the sophisticated organization of their prigrunnes using well-nurtured British Council contacts. Guadwill for Britain is fostered, information exchanged, and their is also the trade appear. and there is also the trade aspect. Foreign visitors spend money in notels and altons, bringing in muchneeded revenue.

Each week hundreds of inquiries pour into the offices throughout Europe about British courses, the education system, equivalent qualifi-cations, Council scholarships, and study visits to Britain.

scope for affering way has an annual contributed to college way has an annual contributed to make a scholarships, an enterior for them is a cachemic merch and for the Council is fully at the benefits of subsecting andem which flyer who may enter the who and the benefits of subsecting andem which flyer who may enter the who and the benefits of subsecting andem which flyer who may enter the who in your close in college? When happens in the building, how mer the stinlents to be tanglin during the well in two scientists, and attached the property of the subsection of publics. This year un adult of subsections will have to be answered by during the next few charmed in sindly in Ruskin College, Oxford, for one year. The answers, says Miss Collins, are easier than one might integrine.

Dr Barry Bruen, sclence officer one, said: "We receive he may be suid: "We receive he may be suid; "We receive he may be suid; "We receive he may be suid: "We receive he may be suid: "We receive he may be suid: "We receive he may be suid; and the suid of t diversibles to the development of joint tempore efficiently each projects and general comparation of the sity are working nighter on the group of the projects and general comparation of the projects and general comparation of the sity are working nighter on the group of the projects and general comparation of the projects and general comparation of the sity are working nighter on the group of the projects and general comparation of the sity are working nighter on the group of the connection for them is being the projects and general comparation of the sity are working nighter on the group of the connection for them is being the least of the council is fully an about the connection of the sity are working in the connection of the sity are working in the connection of the sity are working in the connection of the sity are working nighter on the number of them is being the connection of the sity are working in group of the connection of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in gentler on the number of the connection of the sity are working in gentler on the number of the connection of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in gentler on the number of the sity are working in the connection of the sity are

The British Council libraries — there are, for example, three main ones in Germany with a lotal stock of 90,000 hours and 9,000 members — are also an integral part of the lobration network. British hook sole, in Empure are high and hour exhibitions organized by the Council are on condinal tour throughout the European countries. the European countries.

the European countries.

Growing recognition of English as an international language has led to an expansion of the Council's involvement in the training of English language tenchers in Europe. Mr Alan Maley, this English language officer in France, and hie assistant organized or halpoil to staga more them 60 loservice training courses for secondary school teachers and univorsity staff in France, on various aspects of methodology in 1975-76.

In Norway, the Council in co-

In Norway, the Council in co-operation with the Folk University recruits a team of British teachers eoch year to teach in the country's "ungdousskoler" (lower junior schools cateriog for childran between 13 and 15) and 10 under take adult education work. In the laet academic your sovon teachors

Cutbacks feareil

The Contral Policy Review Staff is now staging a stringsnt review into all espects of Britain's oversass rapresentation, including the Council's work. There are many who fear that the review, headed by Sir Kannath Berrill, may lead to cuthacks. But Sir John Llewellyn is detarmined that the work in Europe should be protected. He sold: "It would be a tragady, in the work when Mr Roy Jonkins is president of the European Commissino, if Britain was seen to be reducing in importance cultural relations with

"Wa have experienced an enor "Wa have exportenced an enormous welcome in Europe, and I bave the highest expectations that the Council will play a big port in the community through, for Instanco, the davelopment of the equivalence of quelifications, the mobility of students, and the exchange of academics."

Sir John sald he would like sae the Council's role as e providor of information given priority in the futura. He added: "If Berrill condamns the operation in Europe li will be a bad thiog. There is no doubt that if there is o financial cutback, something will heve to go."



Saffron Walden College-still in business.

Closure college shows how to die with dignity

Suffrau Walden College is noarching quietly to his death with o containing an author the staff would have thought impossible three years ago. Missi Cillian Cullins, the principal, says that when she returned to college in that authors in 1974 she thought:

"This is guing to be awful."

How the varieties a college?

to the inevitable.

Miss Collins believes the decision to accept the closure and get on with the mechanics of winding up the institution as early as possible were important. The endlege tried in conduct the closure according to a rational plan. On the whole, it worked.

worked.

First, there were the students.

"They had chosen to come here and we felt they should be uble to complete their course here if they wanted to." In Fobruary 1975 all wore given written assurances that they could complate their course. The courses were then divided late two parts over the best they are to be taken. two parts, part one to be taken after two yoars.

after two years.

"Thle meant that ritey would he able to have at loast their first two years' work examined by their own toachere evon if the staffing position here meant they had to have different teachers for the last year". Miss Colling

Arrangements were also made with neighbouring inaditations to take on atudonts if necessary. In the avent, both schones proved

The college has mmaged to teach all its students in Safton Wolden, though not always in the way it originally plonned. The boad of mathematics got e job teaching in Combridge, and errangements hed to be made for port-time mathematics to the state of the control of the

Miss Collins says that the continuity in tseching has been made pussible partly because of the difficulty in obtaining other jobs and partly because lecturers were unwilling to abandon their ofudents. Mr G. F. Jooes, the larsar, who has been responsible for mastering the ins and outs of the redundancy regulations, believe that 60 pr 70 college otaff will find themsalves redundant in the summer. About 15 of these ora academic elaff.

of these or a academic olaff.

Each member of slaff we asked in the first tarm ofter the closure announcament what thay wanted to do. Two opted inuncidetely for redundancy. Many more chose the path of secondment or retraining.

This year they include a course in Ruglish as a foreign language, and the second of applications which ere bound to come.

path of secondment or retraining.

This year they, include a course in English as a foreign language, e diplome in health education at South Bank Polytechnic, on MA at Derwin Collego. The religious education locturer is on a roseorch project on the possibility of an ogroed religious syllobus for the local authority.

New room though the college

Next year, though the college liself will be closed, the second-meois will continue on full selary. One person will do on applied blo-Sue Reid logy degree, muother

Walden has been more fortunate than two other collegee which are closing this summer: Mory Ward College, Nuttingham, and Alawick College, Nurthumborland, both had relatively young staff.

Miss C. M. Wilkinson, Mary Ward's principal, expects that most of her 29 remaining staff will be without jobs for the control of the college.

of her 29 remaining staff will be without jobe in the summor. Miss Lilism Hollamby, Alnwick's principal, expocts a similar situation there unless another aducational role can be found for the college.

Meanwhile, Saffron Walden is still in business, not only for the remaining 75 students but also for courses and coorderences and county council in-service courses.

At first the students were year

At first the sludents were wor-ried about the decline in sociel life which might take place during

the rundown. A bar was opened in the college, and a film society was started which is open to people

From the town.

But if the buildings ere now thinly peopled there is no scent of decay. Miss Collins says: "We were determined we were not going to live in a scruffy building during these three years. We have even decorated." All the remaining students have been housed in the main building to reduce the scose of contraction.

Miss Collins, whose own future

of contraction.

Miss Collins, whose own future is uncertain since she feels sho must wait to see what will happen to the colleges, offers this advice to the colleges which still have to go through the same process: "stort as early as you can. Make people realiza you cara about them and be possible."

The etaff have hod first bite e

There has been no shortoge of courses and conferences to fill up pario of the college not in use for teacher education. This may no longer ha so as more colleges fied themsolves in the same position.

Miss Collins coys: "For us it has been much better than we expected. I'm afraid it may be more difficult for apme of these who follow."

Judith Juda

spoke of integ, it possible, "existing structures", which meant the CRE has been mading of the CRE spill down the GRB has been fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting a successful reargand enabled twild he and the fighting as an anneal badden enable to the fighting as a manual badden enable to the fighting as a sensitive than the fighting as successful reargand enabled twild he form in the fighting as a manual badden enable the successful reargand enabled twild he care for the successful reargand enabled twild he care in the fight of the successful reargand enabled twild he care for the successful reargand enabled twild he care for the successful reargand enabled twild he care for the successful reargand enables t NELP offers the Third World specialized relevance

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NELP offers the Third World specialized relevance
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Engagement of consulting largest produced in the second providing the second provided in the second pro

LETTERS TO THE EDITOR

Photocopying 'pirates'

Photocopying 'pirates'

Sir—The letter from Mr Dodd although the back iride faces constitution of the properties of the properties of the continuatery, it is propertied. Indication the properties of the continuatery of the properties figure. How artractive n task would it ail prove if slx copies were wanted, or 16 or 60? What sort of royalty payment would Mr Dodd's student think due to the author of the book for this abstraction of bla work?

These arguments might suggest that publishers and hooksollera oro indifferent to the financial problems of their ultimate customers, in thet no effort is maile to contain prices.

In fact the reversa is the casa t

Centres for

Economic competition First

Sir,—Your reviewer's otherwise excellent communitary on F. A. our theoretical minimal ledge of the distributed by a serious error of interpretation.

Of Huyek's market order, he

mailed of perfect competition in economic theory." This is olmost competition are very stringent, onal rarely repruduced in the real world, but this does not undermine the case for competition. Its justification does not lie in its approximation to the timeless, static coullibrium in perfect competition but in its operation us a dynamic device for acquiring, and making the most efficient use of, knowledge.

Hayek explained this at great length in his essay The Moaning of Competition, reprinted in his Individualism and Economic Order (Londan 1949). One quotation will suffice to dispel any doubt on the issue: "Indeed, far from competition heing beneficial only when it is perfect, I um inclined to argue that the need far grouncition, is numbered."

Sir.,—Professor J. P.,
Jaminary 44) refer to the condition of the condition of agrees the local transportation of a Brown in the comments (2) that the politic at the need far grouncition, reprinted in his Individual to the condition of the Cheng Lei Pen Tshao, the Committee on the Committee of the Committee on the Commi mule of perfect competition in Sir.—Professoe I 2:

that appears cheaper—at Isast In the short run—than huying their own copies, but it is surely not unreasonable in ask that some means be found of avoiding, or at least into isoften based on the atudy of quenees?

Yours faithfully,
TONY HALL,
Publicity Organizar,
The Economists' Boakshap,
Clare Market, Portguol Street,
Londoa, W.C.2.

Sir,—As a nublisher I can ossura you I have laken note of Mr Dodd's letter.

As a motorist I pald not long ago

As a motorist I pald not long ago

As a motorist I pald not long ago

face of it such e department would not appear to contribute cohesively to contribute cohesively to not appear to contribute cohesively to not a treat the ueed fur competition is nuwhere the ueed fur competition is nuther extends the ueed fur competition is nuther extends the ueed fur competition is nuther extends the ueed fur competition is

Continuing education

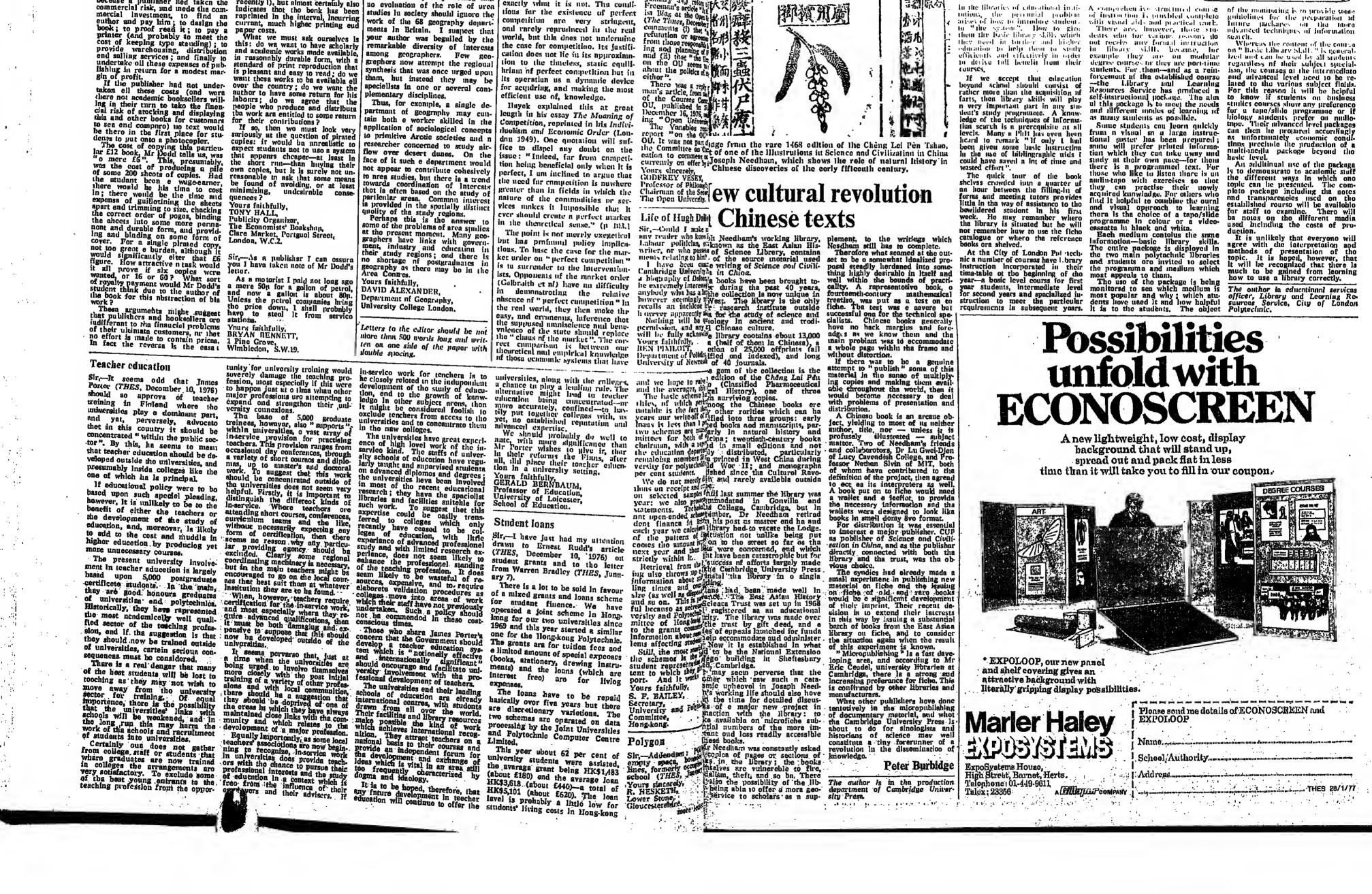
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Students learn signposts to bookshelves

By Thora Chiverton

In the libraries of concational in distinctions, the permutal problem arises of how to introduce students to "the system". How to give them the basic library skills which the matter hand the basic library skills which the system of the syst

guidelines for the preparation of Inture packages on the more advanced techniques of information



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More support needed for management teacher

quarters are increasingly cancerned about the need to equip managers initustry and other sectors effectively with the complex, turbulent and highly competitive coulltions in which they now heve to operate. One way of contributing to improved managerial eflectiveness is by the provision of a wide variety of educational activities.

Full-time courses of one year or more ere particularly sultable for new entrents to manegement, or ınld-csreer menegers. Part-iims courses in polytechnies and colleges of further education provide other opportunities for serving mensge-

ment.

There is e demand for educational ectivities which are epecifically designed to meet the needs of a working group of management people. Meny insuitations are offering short intensive courses or workshops of a few days duretion, sometimes specifically for one company, which the busy manager cau find time to ettend. Other newer types of programme being considered include action learning programmes, which involve the manager solving real of the sample. 44 per core had intended in terms of the control of the sample, 44 per core had intended in terms of the control of the sample, 44 per core had intended in terms of additional subject needs). involvo the manager solving real

in our present national economic ally they need in he able to teach, difficulties government end ather in an increasing variety of situations and roles.

The management teacher who has high nchievement in all three the economy to cope more ectively with the complex, turbumanagement tescher os a self-taught manager turned ssif-taught teacher, teaching what some self-taught managers maintain count be taught "is equally difficult to find, though nat completely unknown.

The desirability of developing both serving and patentisl management teachers is agreed by many, but the problem is how to do it? Two questions arise:

What ila they need in terms af odditional knowledge and skilis? • In what forms can the develapment be provided?

problems and meeting with other participants and a tutor.

New thinking is being used to dovelop new forme of programme in all sectors, and the creatian ond ectivities of the regional managenement centres (RMCs) are e contributing factor.

Of the sample, 44 her cent had in pedegagic development of any sort in their career to date. Twenty one per cent had one ecademic year or more (the further education technics were than highest in this respect). The rest of the sample had had some development, ranging from a few days to eight months. Of the sample, 44 per cent had



"Fot a self-taught manager turned self-taught teacher, teaching what some self-taught managers maintain cannot be taught, you're really sweet!

"subject" and "pedagogic" development. Almost all the sumple indicated needs in both areos, Additionally a majority identified the nced for consulting end research skills.

"subject" knowledge, while their hends of deportment placed a greater emphasis on "pedagogy" (except in the polytechnic sector). The university sector saw the least need for any development netwinise.

skills involved with the face-m-face finance to rele Interaction with students: Knowledge and % of teachers

orea Intecartion which students Derail design and preparation of learning events and material Design of whole

courses, workshops and syllahi The heads of departments' reaction to racious forms of development programmes was very much in favour of In-service programmes Type of teacher

🐾 of Hearls of Department programme as In-service

programme nenlying totoring but substantially self-directed Pengramme based nn supervised part-time research Full-time

programme at a snitablu centre Three reasons why trachers' derelapment needs were not being met were identified. First, the diffi-There were differing views as the which sort of development was most useful. The tenchers were mare time, of releasing people in attend

entry hi the present economic situa-tim, of releasing people to attend programmes of substantial length. Seemed, the lack of finance to pay for any surt of programme run by an external source, and third, the scarcity of programmes on which pedagogic skills appropriate to management teachers can be devel-oped in this country.

learners on learnings In the ated of a comment addition required for both serving teachers in pranimes which we lived and have significant in the teacher, resources or a comment of the control resources ore my case last hurdle : tuo high for same?

childes the dodge of Xam failure: the case of in new ways. The make a coath problems the Fond 1e home-sick George agement Education 1e home-sick George Alana gament Teads Unit at the University of the first fi

for its first two section of the unit is now this occasional series and is intended a made in turnects of nucleus of a mismedical aspects of Plane srs heing medent life, Alex Gunn

of activities wild. grammes which will ks at fuctors which

degrees, intensive a links of factors which degrees, intensive a linked in-service makent examp performance on the foundation of the foundation of the foundation of the suitable fundation of an academic path is, for already established to students, released to the foil-course in markeday committee of Senote. Perhaps course in markeday we inspiring body to the undercourse in marketing committee of Senote. Fernaps course is substituted by the underand other course ruate who failed to make it in
"subject" and "si "examination stakes", but in
would in—and at Reading University et
altractive teachers. teachers.

sectivities of the regional management contrest (RMCs) are 6 conThere are between 2,500 and 300
There are between 2,500
There are between 2,500
There are be Vital is reguled a nuversity authorities.

Vital is reguled a nuversity authorities.

resources in disformatimes the consequence of compared with evening is inescapable—the end of redundant teacher galluc hos been rescited and there

afford in un weekend trains back home, or hitching up the Al.
Unhappy when in the south, attending the prinimum of lectures,

the mirth, his chusen uftenainn and his minimal uttendanca was compuunded as an acadende handleap by his father's enrouary thrombusic

Should we accept the DipHE as a one A-level entry course?

toma of Hieler Education by an established and respected qualification, or a brave idea that failed soft the present climate of monthlings. some of the pro-shour educational outlocks and beli-tightenings, it is surely perturent to discuss at this intermi stage of the diploma's development what its future might be.

A plance at the document which infiltred the diploma immediately underlines how quickly signations can change in higher education, to angereting the diploma and develop-ing its rationale, the James Con-mittee in 1972 acknowledged that "Fears are sametines expressed that the supply of teachers would ha at risk if students in colleges of education were systematically given the choice of entering careers other than reaching."

his minimal attendance was computed by his father's enronary thrombusis in the spring hefire the son's university examinations.

The almost hievitable and consequent failure meant a "resit" in the summer, and he failed yet again to summer, and he failed yet again to suisfy the examiners. This was a "hanging motter", but he had not individually work had been outstanding.

On specific inquiry by the university health service, his femily does tar et innne confirmed the seriousness of the father's illness, and the effect it had on the son. The dilenma was obvious. Should be to "released" from his caurse a failure, perhaps to start again (for his A levels were distinguished) un north, where it would seem his real heart lay, or should he be given enother chance, perhaps thus inevitebly to prolang the agony?

His grounds fot suapension of studius would have been cut ely to prolang the agony?

His grounds fot suapension of studius would have been cut ely acceptable, in view of his father's illness, if he had chosen to submit them prior to the examinations, and the concept of prolang the agony?

The wind the inhustands of unintered the concept of DipHE courses and their standands:

"They must offer a ganulne and neighbor of the father's illness, if he had chosen to submit them prior to the examinations, and the concept of the same as far degrees or comparable concepts. Thus the nurmal infinity than the first two years of a course at degree level. Thus the nurmal infinity mentry qualifications should be the same as far degrees or comparable concepts. The heart lay or for the examinations, and the offered, or of urther resit in the autumn?

To his department the boy stoad

The same as tar negrees or comparable courses."

Though there has been seepticism from the outset in some universities, palytechnics and calleges about the cancept and slanding of the DipHR, there has been widespread ingenuity and enthusiasm eritlent in

J M Gregson discusses some of the problems that

ther programmes of pads. Yet formany "doplom des" such further study is not easily available. The exceptions are those stinlents on bipHEs which were plumed from the outset as part of degree programmes. The degree submission

in these cases is usually a recent one, the most obvious examples being those IEEs which included a DipUE and a few undular degrees from the pulytechnics. Here the problem is une of the standing of the dialogue. he diuloma.

It is difficult to peneralize; certainly my own college planned and had accepted by the Cunneil for National Academic Awards a diplomo in Jentesian terms with n BEn grafted on to it, rather than a BEn which there is no received. which was a more rigorous restote-ment of previous concurrent train-

ing comeses.

For those who designed a degree subarission first and then built into it a DipHE, the danger is that the diploma will become merely a "failed degree" qualification, given to those who were uneceptable for or did not wish to follow the third year of the degree course.

This type of course also tends to mask the recrultment problems of the DipHE. Many colleges with arrongements of this type can show arrongements of this type can show opparently leotthy recruitment into DipHE programmes, but closer examination will often reveal that it is the degree which is the determining factor in recruitment, however miracilye the type of study possible in the diploma pragramme may be. The free-standing diploma with oo obvious degree quilers has had successful recruitment in only a few rether special cases.

had successful recruitment in only a few rether special cases.

There is a conflict here between educational philosophy end individuel self-interest, which is not untuend in the British educational cystem. Can ive reesunably expect sixth-farm tenchers and careers advisere to encourage students to enter even an attractive and sulf-

discussions need in be undertilen at national rather than local level. They are a long time coming.

On the econd line of develop-ment from highli-that of procedure ign degree connect the problem is thrown into techer re-lief. Transfer from the diploma to development of the DipHE degree courses has proved much more difficult than was envisaged. Indeed the attitude of some universities and some of the subject panels of the CNAA has shown that

Transfer with full remassion from the diploma to degree programmes remains very much a rarity. Almost the only cases where full remission is avoilable for diplomates are those where DipHE is sa tightly tied to a degree as to be in effect the first two years of that degree.

Even within the CNAA same sub Even within the CNAA same subject panels appear in value the diploma much less highly than the DipHE panel. Insular as any pattern has emerged, it is that of one year's remission for a full lilplama prugramme in an appropriate area, and no remission, but favourable consideration alaegside A level applicants for those who have successfully completed one year of a diploma currse.

Thus whatever the vlows of James, the Widie Paper and the CNAA, in the practical situatian the view which is beginning to prevail seems to be that widch sees DipHE

Local outharnies are naturally re-Local outnamines are naturally re-luctant to grant-aid students for longer than is strictly necessary to u dagree prugramma. Moteover, with the prabability of static or de-clining numbers in higher education by tha nuid-1980s, and with a mark-edly increased number of places, can we expect students to opt for anything other than degree courses? Clearly this complex of factors anything other than degree courses?

Clearly this complex of fectors will lead in modifications to the original philosophy ut DipHE. That is natural, and we should not object if a qualification which was initiated to introduce greater flexibility is odapted to meet changing present and future circumstances.

Perhaps we should frankly recognize that the difficulties of recruitment among entrang with two A ievels and transferability to degree ond vocational courses with full remission are long-term probleme rather than teething troubles.

There is, of course, ample evidence that meture students without conventional A-level entry qualifications make excellent use of higher education, and the CNAA hos rocognized the case for their exceptional entry into the diplome ond degree.

The only large-scale source of

entry into the diplome and degreee.
The only large-scala source of information on currants of conventional ege to higher education is the colleges of education. An unalysis of BEd resulte in most colleges over the fest decade will usually show that where entry was not confined to those with two A levels, some of the most distinguished performances came from entrants without A

bo taken for granted. But the RMC policy deserves attention because it raises issues central to this type of inetitutional ionovation, and provides an apparatus.

C 1

or inetitutional ionovation, and provides an opportunity to examine some of the strategies which underlie euch initiatives.

The DES announced its intention in 1971 to establish a limited number (12) of regional management centres in England and Walos. The RMCs were perceived ea centres of excellence performing a coordinate excellence performing a coordinating role for the provision of management education within their The RMCa were based on existing is academic inntitutions, and if a present configuration of eubject-based centres of excellance is that they are selected from, and based on, existing academic institutions, then the RMC example illustrates vividly some of the key

given priority in the RMC policy, it became necessary to celect as RMCs, in some cases, institutions which were not centres of excellance. Many of the problems which bave besot the RMC policy are directly ettributable to this flaw—the lack of example, the lack of resources, the insuguration of conoter institutional developments.

Secondly, there is the issue of the

Secondly, there is the issue of dif-ferential funding. This means that the amount and possibly the man-ner of providing resources for centres of excellence differ from the resourcing of all the other sub-jects not selected to form centres of excellence. There ero three optione available.

One is to rely on the parent institutions' acceptance of the need to provide internally an appropriate resource priority to that part of inself selected as a subjection.

management utilizes and na united and na most received and preceived by preceived and preceived by preceived and preceived by the preceived by preceived and preceived by preceived by the precei advisere to encourage students to enter even en attractive and sultable DipHE progremme, when the aame students can in most subject areos obtain direct entry to degree programmes? This is one of the key queetions obout the long-term development of the diplome.

Of course, the answer is in one sense readily ovaliable. Onca we accept that few students, whatever their initial intentions, are likely to treet the diplome as a terminal quelification, our attention is conceptrated on what follows.

Those era two abvious and potentially rewarding lines of development hero. The liret is into direct vocational treining, probobly etemis a manufared. The Intrinsportance of the control The Timea Higher Education Supplement (London)

Vallonal Press Building

Tel.: (202) 838 6765 Reallonal Press Building Weatingloo DC Carter likely to support Most Ford Budget plans Ex-President Ford's budget, presented in his last week of office, looks, es far as education is concerned, very like last year. She has agein proposed to smalgnmate some 23 separate education programmes into block grents paid out to stete authorities and torside programmes—odult education, library resources, hondicapped cducution and emergency school ald—are exactly the aame as the omnounts either proposed or finelity epproprieted lest year. The overall educotion budget is more than \$1,000m less then what was spont last year, although the figures only form the besis of the final appropriationa, Even lest year major problem in pursuing equality of proposals for proposals were overtimed by Congresa, which increased the education budget considerebly. The main federal Involvement in higher education large in the research ream them earlier ratings which drew exclusively on the judgments of leading scholars in the judgments of leading scholars in u large number erpresentative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative of claims and claims and their "deduction leans. The interpretative and reliable thun earlier ratings which drew exclusively on the judgment of leans. The interpretative of claims the calcustion of the custom state of them earlier ra

Poll shows Stanford emerging as : top centre of excellence



eading business school

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Budget emphasizes needs of adults

of grants and increasing subables to the educational geociations and fulk high schools.

The gradual revision of only loc

sponses will be able to earn 62,000 Skr a year before their partner's study support is teduced. The costudy support is reduced. The re-form is expected to aid married

symmetr students most.
Support to the three new national and illherates.

Last year pupil teaching hours for adult clasers tose by M per cent to around the Min mark. The government now hopes to increase this to 11m by raising the number affairs 23 per cent.

The highest increase was an-nonnced by the University of South Africa, u correspondence university. Africa, u correspondence university, where registration and toition fees together have risen by an average of 40 per cent. The University of Copa Town hos raised its fees by on average of 8 per cent. Tultion for a BA degree now costs R480 (£240) o year, ond for a BSc R640 a year.

The University of the Witwoters rand onnounced a general 10 per cent increase in tuition and residence feea, except for education and postgraduate students. Residence

Wide-ranging reforms aim at more equal entry chances

chances for oll to get the best nut
of a university education.

The reform consists of a complete
overhaul of the oundated secondary
school system, which covers the
14-19 ogs group. At present the
education provided by these schools
is extremely unevent and pupils
from many of them hove the greatest difficulty in keeping up with
university courses.

The secondary schools date back
largely to the Fascist era when

to provide a basic preparation for a profession if they do not. Punits who pass their learing examination will be able to go on to study their chosen subject at university.

Until now all arguments in favour of limiting entrutice in Italy's now chronically overcrowded universities have come up against the reply that ony method of selection would incylobly favour the more privileged children from the gramma



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HIGHER EDUCATION SUPPLEMENT New Printing House Square, London WCTX 8EZ, Telephone 0J-837 1234

Polytechnics and the ILEA

mental questions about the quality of the relationship between poly-technics and their maintaining local The most sensible way to resolve the relationship between polytechnics and officer is his a judgment of Solmon. The fLEA has a clear public duty to make the best possible to regard the LLEA as an enthryonic regional multiority. Polytechnic directors, no doubt with their tongues safely in their eleeks, annetimes used to complish that while they personally supported that while they personally supported that while they personally supported that principle of local government control the local authorities themselves just were annihilled the section of the local authorities themselves just were annihilled the sections no mediate the first proposed the sections no mediate of interest. They will have farrescources but for higher and further education policy in fondor as well.

This goes to the heart of themselves that local outhorities are responsible for "resources" questions—move first that local outhorities are responsible for "resources" questions—move buildings, yearly estimates, the overell number of students and so on—but should leeve "ecademic" questions to the polytechnics. In practice an authority gannot disclosured the polytechnics with a the colleges and Departments of the inability of local government control, They will see the apprincipal control over the polytechnics with a polytechnics of the inability of local outhorities of exercise any function of the cation over the polytechnics with the education policy it would like its polytechnics to the polytechnics. In practice an authority quantot disclosured that the inability of local outhorities of exercise any function of the cation over the polytechnics with the education policy it would like its polytechnics to pursue. Nor can a polytechnic cation consistent with the advanced of the inability of local outhorities of exercise any function of the cation over the polytechnics to the polytechnics. In practice an authority quantot disconnic policy it would like its polytechnics to pursue. Nor can be polytechnics to pursue. Nor can be polytechnics to pursue.

polytechnies to pursue. Nor can a polytechnic retain exclusive cun-trul over ecademic questinus unless the euthority adopts an inert policy

on cosmic Me decidency slope and interpolicy of modes are more and interpolation of modes are modes and interpolation of modes and interpolation of modes are modes and interpolation of modes and interpolation of modes are modes and interpolation of modes and interpolation of modes are modes and interpolation of modes and interpolation of modes and interpolation of modes are modes and interpolation of modes and interpolation of modes are modes and interpolation of modes and interpolation of modes are modes and interpolation of modes and inte The two ILEA decisions show this water of inndequate procedures

Faith, hope and cuts

The oews from the Department of Education and Science this Jenuary head been like the wealther—cold, dark ond deliressing. Last week Mr. Ookes, a quite wrong, and that the Government of earlier of solid his production at the elid of the decade of his production at the elid of the decade. As any half-percoptive observer hed are milzoul months ago that the previous larged of 600,000 was alreedy a dead letter the anomacement caused hardly a stir. This week ment of classes of classes of colleges of education that are to class. Again the eramin of fedelism seems to have silonced critics who a yeer sun would have closged the elivace of colleges of education that are to class. Again the eramin of fedelism seems to have silonced critics who a yeer sun would have closged the elivace of education that are to class. Again the eramin of fedelism seems to have silonced critics who a yeer sun would have closged the elivace of education of the hope of the form of the production of the hope of the product

LETTERS TO THE EDITOR

Colleges of education's role

Sir,—Your analysis of the rate of indequately served by recruits the colleges of education (THES) drawn from below the tap 20 per January 14) in the 1980s will not drawn from below the tap 20 per which you published at cent, in terms of neadlennic attainment, of the Select Combined and Technology (THES).

The Inner Lundon Education and is un the brink of taking another that with its five polytechnics. The first was to ask them to reduce their proportion of overseens students to 10 per cent by 1982. Any pulytechnic students to 10 per cent by 1982. Any pulytechnic which declines to do so it last final individual to the gram from the ILEA will be formally taken, is to correspond to the final individual to the accounts of the polytechnic multiple the polytechnic multiple

likely in help the people of inner London much.

The most sensible way to resolve the colleges' attempts in directly this conflict is by a judgment of Solomon. The flich has o clear public duty to make the best possible use of the resolutions of both the James Report in Tracker Education (narrange), 6.73

any rate a premeture, conclusion. There is no need to throw out tha hally of public occountability in the

The memoranding went on to say: "If the colleges are in enture that they vertait from the same bound of school leevers as they alid 10 years ago, the minimum entrance qualification must be roised. We cannot envisage the education of the college Chichuster, Sussex. democratically elected representa-

colleges of chilication. It is not possible to put the clock back and was sible to put the clock back and was must accept that many of the straight accept that many of the straight country to apport my is dents who would previously have a specializing in teaching, but with a specializing in teaching, but with a strong research base, and that these

rersity departitents of education with these colleges. In connexion with this, that serious thought be given to applying the best of the teaching huspital concept to these major unnuteclinic institutions.

Secondly, for a few colleges to be allowed to become major diversified colleges of higher education in their courses are distinctly different from those offered in universities. To be more specific, that their courses should be concerned with product

should be concerned with product of European countries in ing students with personal qualities rather than traditional academic qualities; qualities of character, personality, human insight, analysis, lunginatum and compassion, who could be used by industry and the caring professions.

Charly there is no traditional yardstlek in higher cheation for measuring the much of courses of this kind, but this need not preclede that development the property of the second secon their development, although present ralidation procedures tend to be

onservative.
In the case of both solutions, the colleges must be of a viable size, and this is likely to be from 900 to 1,200 students and, secondly, it will not be pussible to arbieve these nime by simply retruiting present staff.

staff.
In shart, it is not possible just
to let the colleges sink or swim; it
1s necessary to establish a funcpolicy to let them develop along a

Sir,—The Social Services and length ployment Sub-Committee of the House of Commons Expenditure Short) is emharking on on impury While the sub-committee is, of thouse and individuals having some felt that many of your readers them.

Yours faithfully,

D. A. C. MORRISON,

Clerk in the Sub-Committee is and length of the sub-committee is, of the sub-committee is, of the sub-committee is, of the sub-committee is, of those and individuals having some particular locus in the mutter, they might have views that might interest to get the funds and results to get the funds and results in the sub-committee is to get the funds and results in the sub-committee is to get the funds and results in the sub-committee is to get the funds and results in the sub-committee is to get the funds and results in the sub-committee is to get the funds and results in the sub-committee is to get the funds and results in the sub-committee is the sub-committee in the sub-committee is the sub-committee in the sub-committee in the sub-committee is the sub-committee in the sub-committee in the sub-committee is the sub-committee in the sub-co

Clerk to the Sull-Committee, Social Services and Employment Sub-Committee, Hunse of Cummons, ... l'envintal llouse man

and Technology (THE); 24, 1876) to give a del-sion to our Christmas d. Mr. Wurren, of the

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January 7) on consumitation this authority was the selves in 1974 to such developing colleges the form as well as the rational needs with the very nucle on the fow all the selvery nucle on the selvery nucle

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Yours falthfully.
D. V. WHEATLEY.
Chief further education of the chief further education of the chief further thouse, gradule.

basic ciers of Mr Nindel distract for Management surely he is erong on one. poin. The Victorior purked up the snobbeg ! support their uwn create surface; pure knowledg high cepute in a soden

long the passive recipient of other men's knowledge. He has been tought results instend of methods; one how to find out, but what to remember. The test for which he has been prepared is to compose in 30 hours of examination 40 or 50 short essays.

"The university le a place of education as



"an epachal treatment of general European history", and "the special study of some character or period in the original authori-It remains broadly a valid, if an incompleic, description of the structure of the his-tory syllahus at must British universities. That is not because the subject bas un internal logic—as the languages or nutural sciences du—which imposes an incscopable order on its tenching, and still less because the teachers have been agreed on its morits. On the contrary, they canvass each other ceaselessly in the interests of alternatives to it.

In 1877, William Stubbs described the gr

upon a threefuld division of the subject, "a rominuous reading of nor national history",

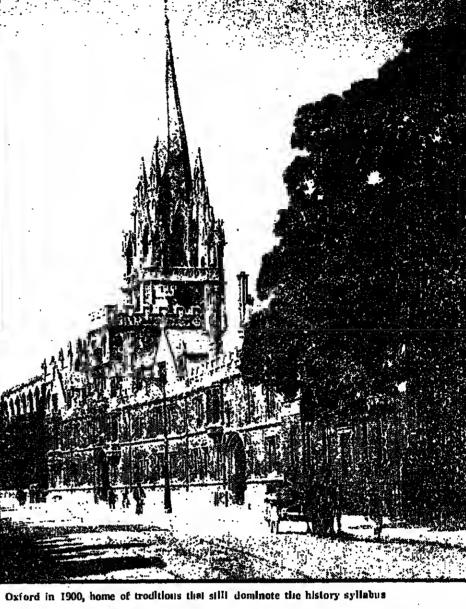
The argument rans samething like this:
"Attention is directed too exclusively to Attention is directed too exclusively lopolities only institutions; and the memory of eardidates is filled with facts about these things without sufficient endeavour to make them grasp the ideas which explain the lacts. Literature, sociol and economic history are miduly neglected; an are contemporary history, and the world bayond Britoin and Europe

Enrope.

"On the niher hand little is ilune for the exceptional man who wishes to study history for its name sake. He has remained too

"This tronounnous exercise tests his memory, his presence of mind and his rhetorical skill with great efficiency, but it is a poor test of historical ability. A place of historical work, done under the normal conditions of historical work, should form part of the training of the history school, and have a share in the final examination."

To which the reply is: "Our present history curriculum is, on the whole, a very admirable compromise between the practical and the ideal; our present system has done admirably in the past und is still vigorous and successful.



from a critical scrutiny and reassessment al tis primory materials, rejecting the inheri-tance of the literary historians, Gibbon, Carlyle, Italiam, Meconlay and Fronde, who still represented English historiography to

the judged the Oxford school largely by the contribution which it would make to thut endeayour. He was not impressed by (even if he had eccepted) Oman's triumbant conclusion that its contributions that phant conclusion that its customery methods hod given Oxford the best history school in the kingdom. It was not by the standards of the kingdom that he judged.

Oxford and Cambridge history schools, then, grew from the same roots as the Victorian public schools, and were designed to contplete the formulon of their products. Their framework of teaching and examining were shoped by the same

The contrast thus presented with the centres of critical scholarship in Europa was vividly described by the Belgian Paul Frederica, whose travels in eeerch of idensed methods for his country's new history schools brought film to England in 1884. He was charmed by Zulelka Dobson's Oxford, where after a short morning and a leisurely lunch the young gentlemen, "foft off their cept and gownt to welk through the stream and gardene dressed in elegent blezers had colours of thole colleges or clubs."

Their "thythmical work with the oars and subjects," Their "thythmical work with the oars and subjects," Their "thythmical work with the oars and subjects," in the contrast thus presented, or nearly as Tont was oble to put it loto practice, on the German seminor method. The lotest edition of History at the Universities (R. P. Blows, History at the Universities (R. P. Bl

"The university is a place of education as well as a place of research. We are conformed by a large body of undergraduous fronted by a large body of the large the colours of their colleges or clubs."

Their "rhythmical work with the ones and vigorous dispatch of the tennis ball" made a polgnant contrast with the students of other lands, "meanly lodged, confined in dirty cites, rarely toking long welks...", But most of the lecturers "restrict themselves to an elementary style of tenchiog, leaving out ell the solcatific technique which is inseparable from advanced teaching in Germany". The reading prescribed covered so wide of range that "the student cannot thoroughly green any pert of it," and even to the special subject the passive recipient of subject that claims of other courses on time made." the study of the sources necessarily superficial... Hunitad the cursury and inconclusive verification of the ossertions of the standard authors."

Things were a little better in Cambridge,

Predericy concluded that the teaching a history in England was, by the standards of Herlin in Paris, searcely of advanced level, its methods those of Pensoignement thoses, its merlands thuse of Penseignement moreof, this criterion was very simple. Continental courses were of two kinds, the "cheoretical" in which the teacher expounded his interpretation of a subject, and the "practical" in which he had a small group of students in the direct and technical examination of original sources, from which they would eventually produce studies of their two. In England only the present cholats—Studies, Seeley, S. R. Combuet in London—reached continuously hands also in the first nod more continental standards in the first and, more important, the second was quite unknown.

Firth's crincisms of the Oxford school were, in essence, Frederica's. That is one were, in essence, Frederica's. That is one reason why they were bitterly resented. Another was that the advoccy of scientific listory shared with that of traditional methods the power in evoke wider conflicts. History tracking had not the same explicitly unfrical avertones in England as an the continent, where the Remac Historiane was founded not only to champion advanced schularship, but in divert opposition to the Catholic and royalist Remac des Questions historianes and where academic appoints. historiques, and where academic appointments were universally the feut of political

But Pusey was out alone in holding that in Germany " infidelity and immorally were the direct results of the professorial system" which was irranded as the instrument of advanced schularship. The most famous state-ment of the new ideal of dislutereded and reclinically expert research also predicted its consequences: in his inaugural lecture in 1902

J. B. Bury described history not only as "a science, no less and no more", but as the means of "stripping the error from the eyes uf men, shaping public iquinion, and alvane-ing the cause of political and intellectual

Illerty ".

J. H. Plandt rectors the same confidence with his "the past has only served the few; perhaps history may serve the muldinde". The gulf was not absolute—Bury's most effective critic was G. M. Trevelynn—but it was real; this was not the flavour that a Seeley, or an Oman, would impart to the young.

nr an Oman, would impart to the young.

Hence it was litting that the views which carried bitth approbrium in Oxford had already been emforsed in Monohester. T. F. Tout's ideal syllabus was very different from that of his master, Stubbs. It was fonoded on a contempt for examinations and the convocition that the student must eventually learn to form his own judgment from critical uso of primary sources. Challine courses, the whole of British and European history, must be taught indeed, because lin a phrase which is now, ironically, often deployed in defence of the traditional syllabus? "the first duty of the student is to accourse as sound a view as he can of the general sweep of all history."

But the outlines must not become so

products. Their framework of teaching and examining were shoped by the same traditions.

The original sources which were prescribed for study of various points in the curriculum, for example, were there not because it was thought necessary to train the historien in their use, but because the familiar bedrack of see books offered an assurence that the new subject would not become too soft an option. Hence the tradition, deplored by Firth and those who thought like him, that the special subject should not be formally taught, because it was better for a man to get it up by him as better for a man to get if up by him as better for a man to ge

do not invite, the presentation of a dissertation.

Pirth would still hold that the graduate in
history has been "the passive reciplent of
other men's knowledge, taught not how to
find out, but what to remember." It is paradexicel that the schools of history which have
proliferated sinca his time have preferred
the model of clorical and aristocratic Oxford
to that of hourgenis and liberal Monchester.
But, ofter all, Cetherine had her answer from
Miss Tilney: "I am fond of bistory—and ant
yery well content to take the felse with the
true."

The author is lecturer in history of Shalfield



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tostructional Regulation and Con-trol: Cybernetics, Algorithmization and Reuristics in Education by L. N. Landa translated by Samuel Hesch Educational Technology Publica-tions, \$14.95

Conversation, Cognition and Learn-ing: A Cybernetic Theory and Methodology by Gordon Pask Elsevier, Df196.00 tSBN 0 444 41193 3

been closely and cuntinumsly involved in uctual teaching programmes of school or university level (Pask is professor in the Open University's Institute of Educational Technology, us well us being paradises or of cybernetics at Brunel Iniversity.) Having grounded their theories on detailed empirical investigations of students, they then tested their pedagogleol prescriptions on further students pupuloints. The rich interplay of theoretical speculoina and empirical investigations and further student pupuloints. The rich interplay of theoretical speculoina and empirical investigation that charactericated in the service of the contract of the nust interesting, and in speculoinal management of the says can take there exists an exist of which humans are captable to the field.

As the reference to cybernetic acts of his field.

As the reference to cybernetic saggests, Londa and Posk entiples size the procedural nature of lengthscapes of the contract o

explicitly available to the student at a conscious level makes them more reality accessible for self-cantrul and self-criticism.

Landa fullows his subtle discussion of algorithmic, quasisalgorithmic, and hereristic ways of solving problems of various sorts with examples drawn from practical experience in classroom teaching algorithmic and mathematics. Startling improvements in performance—even from so-called "pour" students—resulted from teaching that was planned according to his theories. It leads to serialists approach a leven more important than the increased understanding specifically of grammar or geometry, was the increased general ability to learn. The traditional defence of Latin as a school subject, that It inculcates diagonal habits of thought which generalize to other meas irrespective of cantent, now appears in the form of a defence of a theoretically-more varied and method of teaching based on cybernetic principles.

Much os any axiom system in lookists learn, reorember, and reconstructed expressions on a solution of the content of the content of the content of the content of the string-like cognitive structures where tients are related by simple for an "conversation" in taken as the basic theoretical where the latter project than in the pragmate's different way in the former than the latter project than in the latter proj

Any theory of learning implies a theory of teaching. Caroversely, not beaver of teaching are been as school subject, that it incutates a theory of teaching are been as school subject, that it incutates a theory of teaching are been as school subject, that it incutates a theory of teaching are been as the original ballits of thought which general which does not take occount of the detailed nature of learning in the students concerned. Good teaching practice, of course, oceal not depend on only prior orticulated theory of intellectuol processes: it is included in the source of experiments and the control of the cont

An old high German survey

A Handhook on Old High German Literature, second edition by J. Knight Bostock has been updated, but perhaps not revised by K. C. King and D. R. Oxford University Press, £15.00

ISBN 0-19815392-9

Muspilli and on the Tatium. Offrid has been updated, but perhaps not enough. Some important studies appeared too recartly to be laken into account—most notably those on the probable Irish origin of Old High German rhyned verse—but some of the earlier tectonic research of the earlier tectonic research of the earlier tectonic research of the earlier to itself now, as do that smaller religious plecas. The chapter to itself now, as do that smaller of the first chapter on the Charms is rather out examination confirms the welcome. The twenty-odd years since the first thorough revision,

The Hildebrondslied chopler is faired already in the Middle Ages) for mentioned.

Muspilli and on the Tatium. Othrid way? Given a policy that takes, every scrap uf writing as literalure, way? Given a policy that takes, every scrap uf writing as literalure, way? Given a policy that takes, every scrap uf writing as literalure, way? Given a policy that takes, every scrap uf writing as literalure, way? Given a policy that takes, every scrap uf writing as literalure, way? Given a policy that takes, every scrap uf writing as literalure, way? Given a policy that takes, every scrap uf writing as literalure, wo miss discussion of the Kölner Rhectoric. The former has played?

The Ludwigslied, though, has a do that smaller religious plecas. The chapter on the Charms is rather out dated, with some cutiously entitle the "listerical thread" has been updated, but perhaps not its fail to a continue to origin of Old ligh German rhynned verse—but on Otifid is ignored.

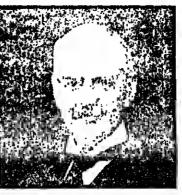
The Ludwigslied, though, has a do that smaller religious plecas. The chapter on the Charms is rather out the silient fail the "listerical thread" has been updated, which cannot be a laken of the Kölner Rhectoric. The forman is of the origin of or rhynned leavers in considerations of the Kölner R

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War avoidance policy

March 1939: The British Guarantee Clarendan Press: Oxford University Press, £6.5u 1SIIN 0 19 822532 6

The Great Powers and the Pulish Question, 1941-45 by Autooy Polonsky London School of Economics, £5.00 1811N 0 85328 U46 U



red war, Newman concludes that the guarantees were at the efformer proves the lotter.

This is how tho British Cabinet saw the situation. Thus Newman presents the famous guorantees of March 1939 not as a sudden changa but os a logical next step in lina with long-term British policy objectives, a change of meons and not a change of ends. Newman quotes Halifax's remorks to the Cabinet Foreign Policy Committee on March 27, 1939 to the effect that though France and Britain could not prevent Poland and Rumnnla from being overrun, Britain could not afford any further increase in Germany's strength and a diminution of Britnin's prestiga among friends and allies. Halifax prefarred war, Newman concludes that the guarantees were therefore a protect of the conflict, on the very eve of the conflict,

he call would not give up all hope, adding "we are not through the jungle, on the commany the issue is still doubtful. Hut on Friday the motor on my ralendar was 'Remember that the ide turns at low as well as or high level?" These are not the words of a man looking for war. Nor was Haldax. The dilemma was not created by

postulating equally unacceptable policy alternative in Landon. To allow Hitler his way or 10 go to war was indeed a real and intolerable distance to a second control of the control of th We have recently had many books on British policy concerning the appearsement years but Dr Newman, in this brief and well-researched study, has samething new to table British archives, he shows how a policy was evolved to counter German political and economic influence in Central and economic influence in Central Europe and the Balkans hy occamined to pin his faith on securing a rapprachement with Germany on British terms which never included a German domination of central and south-custern Burque.

The occupation of Prague in March 1930 in defiance of the Manicle settlement destroyed the Cabiner's illusion that diplomacy, limited concessions in return for firm undertakings, would probably stop littler from adding to his string of victims. Plecemcal, Germany's strength would grow until, if Britant stood aside, sha would be relegated of best to the stous of a second-arte powar. This is how the British Cabiner saw the situation. Thus Newman presents the famous "reading the contemptory correst the would he difficult far anyone reading the contemptory corrests the would he fitting the property corrests the stous of a second-arte powar. This is how the British Cabiner saw the situation. Thus Newman presents the famous and difficult far anyone reading the contemptory corrests the content of the student to assume the former proves the lotter.

The occupation of the British archives that the pening of the British archives the time to make the process tap? British did not the student of the British archives the time to make the process tap? British did not complete the process tap? British and the Reich German-speaking territory and the recent and the Reich German-speaking territory in the process tap? British later that the pening of the British archives the writer instead of the British archives the transport of the British archives the British archives the British archives the transport of the British archives the

all.

Dial "appeasement "cnotione during the war years, this time in conscessions to Russia at Puland's expense? British policy was once agoin based on an unreolistic assumption: that Soviet objectives were limited. But Stalin never would allow Puland that degree of freedoot Britalo thought it possible to extract. In on all tao brief introduction, free from polemic and doing justice to all points of view, Dr Polonsky in The Grent Powers and the Polish Question, 1941-45 sets out facts and policies. About hall of the 149 documents that fullar have been printed elsewhere. hall of the 149 documents that ful-law lave been primed elsewhere. But they are most usefully brought tagather here with documonts found in the British Foreign Offica and Cabinet Archives, the Stote Depart-ment Archives and the Rnoseveit papers. These first-hand accounts make for abserbing reading and are a welcome and essential aid.

J. A. S. Grenville

Swimmers against the stream

Professor Foot takes a broad view of the meaning of the word "resistance". Ha rejects the dictionary definition, "an organized underground movement in a country occupled by enemy forcas", and, in a scholorly etymological digrassion, the returns to the Latin roots—"re is an intensive prefix, which in turo is put on an intensiva verb, aistere, tha extra strong form of stare, to atand." So we utriva of "to stand fast." Resistance is steen as an atduted of mind combining cross-grained toughness, inner aclifusorial mind combining cross-grained toughness, inner aclifusorial the right thing". The Finus hava a strong form of stare and on an an analogous more according to the control of the material in this according to the material in this according the material in this according to th

whother tbings went well or Hi on any particular day, one was doing the right thing." The Finus have a word for it—sisu.

The attempt to cover the five most eventful years of recent European history within the covers of a single book is made doubly difficult by Profassor Fnot'a ndoption of tiles broad dofinition of resistance. He has also found it Impossibla to coutine him self within the gaographical and lastorical limits of Europe 1940-45. There are good reasons for both of these cholcas, as one cannot understand the forms which rasistance it of the forms which rasistance conducted and background, and in a total world war events in other continenta inevitobly had o bearing on the European situation. Nevertheless it is necassary to make a rigorous selection of the wood for the trees. We

Resistance: An Analysis of European Resistance to Nazism, 1940-45 by M. R. D. Foot
Eyre Methucn, £6,95
ISBN 0 413 34710 9

Professor Foot takes a broad view of the meaning of the word "resistance of the meaning of the word "resistance of the materiol in this accordance of the meaning of the word "resistance of the materiol in this accordance of the materiol in this the whole prearranged spy structura in June, 1940." Professor Foat rightly camments that in the early days "SIS was infected . . . with that fatuous over-confidence in British superiority which was endemited in the whole prearranged spy structura in June, 1940." Professor Foat rightly camments that in the early days "SIS was infected . . . with that fatuous over-confidence in the materior of the materior of the materior of the materior of the whole prearranged spy structura in June, 1940." Professor Foat rightly camments that in the early days "SIS was infected . . . with that this Nazis were able to unravel the whole prearranged spy structura in June, 1940." Professor Foat rightly camments that in the early days "SIS was infected . . . with the condition of the materior of the materior of the materior of the whole prearranged spy structura in June, 1940." Prof

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I seem to romember a story about I seem to romember a story allout George Bernard Show being called up on staga with shouts of "Author" after the bighly successful first night of one of his playa; as the enthusiastic applause died down, a solitary "bou" rang through the theatre. "I ontirely agrea with you, sir", said Shaw, "but who ere you and f against so many?"

Frank Paarce and Humbert Nelli are equally outnumbered. Their cereful critical ettempts to lay some of the myths surrounding organized crima—in particular the myth of the Mofia—are likely to be quickly swamped by the popular enthusiasm for that long running drama of the accret brotherhood in our midst, with its cast of Godfathers end Dona, its routine assassinations and tight-lipped family conferences, (If the Maile myth was to eny way susceptible to factual controdiction and reasoned orgunent, theo surely it should have crumbled just a little after the 1971 publication of Joseph L. Albini's The American Mofia: Genesis of a Legend.) Frank Paarce and Humbert Nelli

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tbe McClellan Columittee gava detailed organizational substance to the idaa. And by 1967 wa had the President's Commission on Law Enforcement arating that the "coro" of American syndicate crinic consisted of 24 "families" whose membership was "oxclusively ftalian".

It is not just a vulgar public taste for aensetion and conspirecy which keeps the Don and his men happily flowing along; as Pearca and Nelli abow, there has been plenty of official encouraganout for the story. In 1951, the Kefauver Crime Committae omphasized tha involvement of Italians in a "nation-vide crime syndicate known as the Mafia"; io 1963 the testimony of former syndicate "aoldler" Joseph Valechi to ous "crimes of the powerful", from

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white-collar crime, the violation of anti-trust legislation and labour laws, and simultaneously fixes the blama for oil kinds of accid ills on blama for oll kinds of acclai ills on a bunch of secretive foreigners. Organized erline, Pearce demonstratea, just is not as important as the public balieves ond the officials claim: it nots far less than corporate erline, is never really allowed to interfere with the interests of blg business and is even used by the ruling class as "e sarvant" when particularly dirty industrial and political jobs need to be done. Small wonder that the official ettacks upon it ere relotively half-hearted.

hearted.

There is no such political thrust bebind Nelli's work; unlike Pearca he is not trying to reduce the signature of th

Laurie Taylor

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The Who's Who of British Memthe Who's Who of British Members of Parliament, volume 1, 1832-1885, by Mlohoel Stenton and published by Harvester Press et £25.95, is a complishing from the annual editions of Dod'o Parliamentary Companion of the most useful entries that Dod provides on each MP'o parliamentary career. The suther has added a curriculum vitae of each politicien.

Bounds of bureaucracy

by Ellint Jaques Heinemann Educational, 16.80

It is refreshing to find a sociologi-cal work which can lay the claim to having actually discovered both a regularity and also the principles that underly it—for here we have the making of continue these.

that underly it—for here we have the makings of genuine theory.

In this exciting back Elliat Jaques has given us the rubuination of many years of his non and his associates' research into, and thinking about, the structure and processes to burcancracies. The text brings ingether, in a systematic framework, the cuncepts for which he is renowned, annely, time-span of discretion, individual work cupacity and felt fair page. These concepts, it is cloimed, throwide the key to understanding the latent hierarchical scructure ("depth structure" in Jaques's terms) of bureauereies.

Jaques dolines burenucracy as-e hiernrelically stratified manogeriel employment system in which peopla ore employed in work for a wage or salary". This definition is, na ho recognizes, somewhat at odds with both the current socialingleol (essentially Weberiau) and the layman's pejorntive use of the term, but loses unthing for that.

hut loses unthing for that.

The essence of Jaques's negament is both simple and elegant. Firstly, on the basis of observation in over one hundred organizations, often which very different hierarchical structures, he is able to detect a common underlying structure which is, he claims, entirely explicable in terms of the basic idea of time-span of discretion. By this he means, "the longest period which can elapse in a role before the manager can be aure that his subordinate has not been exercising manghally sub-standard discretion continuously in balancing the pace and quality of his work".

The underlying ("examit") struc-

Age is no suctipolisical thrust bebind Nelli's work: unlike Peares he is not rrying to reduce the significance of organized erime or to easier its dependence upon, or symbiotic relationship with, big bushness. He just wonts to get the italians off the hook. Why have they been blamed for everything? But of course that question olso forces him to confront the Maffe myth, to organ that question olso forces him to confront the Maffe myth, to organ that are never was any other American equivolont of the Slelian Maffa, and to document his specific distorical events—the murdor of Pollee Chief Hannossy in Naw Orleans, the rise of the Black Hand band—which helped promote the story of the Italian monophy of organized erime.

Both books have their faults, Paere la more sophisticated and deals with books have their faults, Paere la more sophisticated and deals with books have mich corn moka his erguments difficult to follow, while Nelli loses his way in detail and sometimes oppears to be trading upon, rather than aubverting, the convectional storactype of the Italian monopal of Pollow, while Nelli loses his way in deals with a broader subject organizer (the book fairly bristles with pletures of notorious books and great (the book fairly bristles with pletures of notorious books and great (the book fairly bristles with pletures of notorious books and great (the book fairly bristles with pletures of notorious books and great (the book fairly bristles with pletures of notorious books and great (the book fairly bristles with pletures of notorious books and great (the book fairly bristles with pletures of notorious broads and great (the book fairly bristles with pletures of notorious broads and great (the book fairly bristles with pletures of notorious broads and great (the book fairly bristles with pletures of notorious broads and great (the book fairly bristles with pletures of notorious broads and great (the book fairly bristles with pletures of notorious broads and pletures of notorious holds and pletures of notorious holds

tivo role. So in general, the real line of commend is shorter than the manifest one.

Jaques claims, an the basis of extensive empirical evidence, that the election of real managers is not a rendom process since, far instance, everyone occupying a role with e time-span below three immiles role oboug the three-menth time-span is his real manager, inwever meny intervening roles exist to the manifest hierarchy. Thus, the three-menth time-span becomes the boundary between strata one and two. Surprisingly, this sort af hierarchy providing boundaries at one, itvo, fivo, ten und twenty years, entirely in fine with the Webers e

entirely in fine with the Weber-Fechner law which leads him to suggest the operation of o fundamental psychological process.

So fer an good; the real atructure of bureaucracies is to be sought in terms of time-span of discretion, but the question naturelly arises as to why such e regularity ahould occur in the first place. Jaques tells us; "The regularities in estetification of bureaucrulc hiererchies must surely reflect an equivalent atratification in human populations." The factor which is (surely l) equivalantly straiffed furnas out to be the work empocity of individuals which, itself, is distributed in a multi-modal fashion directly corresponding to the manageriel strata. Work capacity is construed in terms of an individual's ability to "manage activity the way wo organize work in the way wo organize work in the other way found. If this is the case, then the discretified in terms of an individual's ability to "manage activity the way wo organize the conceptualizing and organizing capacity of his mind.

So, it is argued, it is hardly surprising that bureaucracies exhibit the

them patterns they do, for to arriely reflect the distribution of the appropriate addity in him-

papallations.

The neight, at this stage, be a givent for thicking that enough a coungh but no —laques takes a further. An additional empired finding enables us to enter the mattive realm: the correlation is tween the time-span and "felt time are timelanded by others we have family it realized by others we have family it realized to replicate these findings) to the a "just" income profile for the working population in Industrial societies). Since this graph is should gain the spring population and accordingly many and pressing problems of each content feels into insignificant. nur pressing problems of equi should fade intu insignificance.

should fade antu insignificance.

Now it may well be that Japa and his collectuces have discrete a Luent regularity in ensign bureaucracies; furthermore, it may be that one can reliably cludder this regularity in terms of important in the second of the span, which in turn is applicable to terms of the multi-modal distribution of the work capacity of institution of the work capacity of institution in use Japace'n own work is "a person's work capacity his gically given, something fixed a hirth and inumutable" or is it if existed quality influenced by sold lackground and opportunities with tackground and opportunities which

This question takes on min This question takes on may significance as Jaques makes impolaines for his theory, wishing he provide the fundations for 1800 mativo theory upplicable to the interementally organized well systems. Unfortunately, his may six uf the mature/uniture nexus in the determination of the capacity for work is the reakest part of the lines. We are said to distinguish

BOOKS

A history of defeats

THE TIMES HIGHER EDUCATION SUPPLEMENT 28.1.77

Estibilitement and Despair: A Hisbry Geoffenge Hawlarm
Cambridga University Press, 17-5
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The biarry of the social sciences
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Enlightenment and Despair: A History of Sectionsly, it is not surprising that tory of Sectionary of the Section Sectio

Student of ideologies

Sociological Writings by Vilfredo Porcto solected and intruduced by S. E. trenelated by Derick Mirfin Blackwell, £7.50 ISBN 0 631 17010 3

Forty years ego, in The Structure of Social Action, Parsona assigned of Social Action, Parsona assigned to Pareto the anois top rank as o Sociology Great as to Durkheim end Max Weber. Today it is widely agreed that to the top tried Marx should roplace Pereto, who is not doing well for fourth and fifth place either, with Simmel as top contender, and Spencer, Comte and

idiosyncratic terminology and the matic articulation of his Trattnto di succiologia generale, 1915 (The Mind and Success, 1935) did not conceal the continuity between other concerns of his end ours. Since he hardly ever used the term "ideology", for instance, one may fall to recognize in him the fore-course, in those from the Trottato, those endights and outertaining and contextaining most sociological student of ogies (with Marx and Engels).

place either, why Simmel as top contender, and Spencer, Comte and Meed coming on strongly on the outside.

Such rankings depend on whethor sociologists working on contemporary themse viaw a given thinker of the past as a valuable source of inalghts. With Pareto, the political sociologists deal with the nodon of "elite", But we night all reach for our Parato often and profitably, if the utterly one of the profit of the past as a valuable source of inalghts. With Pareto, the political sociologists deal with the nodon of "elite", But we night all reach for our Parato often and profitably, if the utterly

thuse enlightening and ontertaining footnotes of Pareio's, full in quotes from his two favourita sourcae; Helleuistic end Roman chroniclors Helleuistic and Roman chroniclors and entiquarians, end contemporary in French, Itellan and English. But the texte aslected cover admirably the ground previously staked out in the introduction, and disclose the richea to be drawn from Parato, for inatance, o conception of society os a system whose equilibrium (pace Parsons) may rest purely on mechanical adjustmoots of groups to one another, on factual rother than normative constraints; or a sustained conceptual concern not just with the structures, the interests, the lideology of groups, but with their strategies, the basic modelidae and atyles of their reciprocal action. their reciprocal action.

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Sociology's theorists

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particular Hirst argues against the French Murkint authropologist Terray (and in my element lies though Engels borrowed cortain historical generalizations from Morgan, his own social theory remained quite distinct. The second half of the book consists of a semiconductor of the consists of a semiconductor of the book consists of a semiconductor of the consists of the consists of the consists of a semiconductor of the consists o book consists of a somewhat breads. seerch for "laws of motion" of Hirst falls a good wey short less exposition and critiquo of Max society. It was above oll for this Weber's sociological categories.

Social Evulution and Sucmogreal Categories by Punt 19. Hirst Allen & Unwin, 14.95 and 12.25 governed by a pre-given potential, and Weber's view that such a uninber of distinct but related tasks. The main one is the idvocacy of an epistemological thesis to the effect that "forms of classification are not and cannot be such as the process of social development, process of ception of lumon purpose from The content of Hirst's study

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Social Evolution and Sociological Categories

Categories

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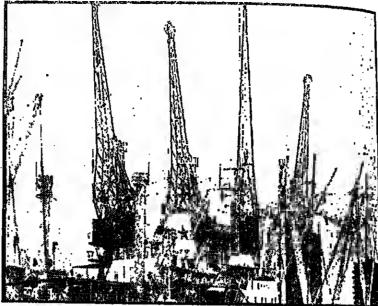
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Consider two chings as distinct in the total of revealing raphalism's laws of motion, its continuing use of such Hegelian concepts as dialectic, even

In the first half of the book this contention is developed in un examination of the evolutionary theories of Darwio, Spencer and Morgen, In what he has attempted requires particular Hirst against the much more specimes treetment. Here

demonstrating that sociel thaory, indemonstrating that sociel thaory, in-cluding whatever we may want to call Marxism, comprises a series of distinct problematics or discourses, each with its own theoretically con-

Inside the docks



The London docks

The Dockers: Class end Tradition In London
by Stephen Hill
Helnemann Educational, £8.50
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ber's eoclological categories, pecially flose releting to economic di pobitical accion.

Following tha lines of his general discuss ond for this thot be thought he found convening as a seemless web, its elements input time and the principles (derived via Althuser routing) with the distinct problematics or discourses, the set of the principles (derived via Althuser routing) with the distinct problematics or discourses, the set of the dockers are archesynal trudiced subject matter. In sexual bistory has been one in which, in each general, theories, and the dockers are archesynal trudiced subject matter. In sexual bistory has been one in which, in each general, the dockers are archesynal trudiced subject matter. In each of the dockers are archesynal trudiced subject matter, in each of the dockers are archesynal trudiced with a comparison of the dockers are archesynal trudiced with a comparison of the dockers are archesynal trudiced with a comparison of the dockers are archesynal trudiced with a comparison of the dockers are archesynal trudiced with a comparison of the dockers are archesynal trudiced with a comparison of the dockers are archesynal trudiced with a comparison of the dockers are archesynal trudy and the

covering some interesting differences between than. His finding cover quite a wide variety of topics, and come together to give u rounded picture of on occupation. It is overful to have a detailed study of mannal work ousles factories, and his description of the nature of the work situation of dockers makes it impossible ageneralize any more obout at

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ochievement" (Sagarin). Alas, Social Devinuce is more modest in

often entortaloing then nigorous.

Sboham argues that deviance is e form of, and not neerely e result of, social conflict. His concern is with a phenomenology of doviance that seeks to units aeveral view points—philosophical, psychological, sociological and legal—in scrutinizing social roles and statuses. Haris not exclusively "academic" and is particularly concerned with that relationship batween the solfment. Rather obruptly the book ends with an edvocacy of selvation through pollution which is derived by Genet (though curiously heignores the fascinating anthropological determinism which has largely baan discreditad in other areas, so unquestioning edherence to convectional sexual stereotypes to explaining famala behaviour, end the resilience of discriminatory velues and prectices in legislation, endorcement, and the penal system. Her critical eye ranges ovar official statistics, emancipation end crime retas, prostitution, repe, the treatment of woman as offenders end witch and the relationship between femsle criminality and mantel Illmost through pollution which is derived as faminist criminology is rether vague and summary, this book will alto be form a consideration of the contradictory and ambivelent existential position, particularly as portrayed by Genet (though curiously he ignores the fascinating anthropological enalysis of dirt oud disorder in Purity and Danger by Mary Douglas).

However, it is difficult to summarize the rather haphazard allusions and insiglits of this work

London However, it is difficult to summarize the rather haphazard allusions and insights of this work (the author speaks of e summer

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social Deviance

sy Glora Sholem

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of deviance" and further argued that "conceptual entual is sprending ilke a grey fog". We are led to believe that Shoham's book will help to penetreto this gloom by descriptione of it as "stumningly brillent . . . provocutive, incredibly interesting, and entioeutly readable" (Dinltz) and as "a brilliant creative ochievement" (Sagarin). Alas,

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The logic of social inquiry

New Roles of Sociological Method by Anthony Glidens Hutchinson, £4.95 and £2.45 [15BN 0 09 127520 and 127521]

It has become a commonplace observation in discussions of social theory that the functionalist perspective, which dominated academic sociology in the post-war years until the early 1960s, reduced the ladiday in the production of the conditions for that action, the effect of the causal interaction involves, the effect of the causal interaction between internalized values and social sluotions. The subsequent emphasis in phenomenologically influenced sociologies on the rule-governed nature of oction, and the consequent requirement that social segment be regarded as reasonables to a consequent requirement that social segment be regarded as reasonables to a consequent requirement that social segment be regarded as reasonables. While the last of the causellist in the conditions of the consequent requirement that social segment be regarded as reasonables to the consequent requirement that social segment be reproduced in the interaction interaction of sociologics of the causellist in the conditions of the consequent requirement that social segment be reproduced in the interaction involves here.

the corly 1960s, reduced the ladividual social agent to a "cultoral dope" whose behaviour was simply the effect of the causal interaction between internalized values and social shuotions. The subsequent emphasis in phenomenologically influenced sociologics on the rules consequent requirement that social agents he regarded as responding to each order through processes of nutural interpretation, brought into facus the reflexive uniture of the intercrion occur.

Such a perspective state work. Human agents can oct only insofor as the relevant types of interpretation as work. Human agents can oct only insofor os they can reflect on thot behaviour through the identification of their own and others' acts, and provide, through conceptions of them.

But this perspective, in its turn, has led to o conception of the sociologists as a "numbers' dope", restricted to un examination of the rules through which general object of interpretative work. Thus, walls in o recent colleborative project tells us that sociological explanation autempts to elucidate the constitution of action by sociul rules by way of an examination of the place utilized by members of society when interpretations "(New Directions in laterations)" in the reflexive members of society when interpretations "(New Directions in laterations) of rational outonomy of ection, therefore, function "as a pure to a came of the course of the continuous of the course of the continuous continuous through which general opening the provision of society when interpretative work. Thus, walls in o recent colleborative project tells us that sociological explanation of the sociological explanation of the logics utilized by members of society when interpretative social propertical interpretation in the course of the continuous of the course of the

Divorce, American style

Marriage and Divorce: A Social and Ecosomic Study by Hugh Corter and Paul C. Glick Harvord University Press, £11.90 ISBN 0 674 55076 5

Since the beginning of 1971 the sole ground for divorce in England and Wales has been that the marriage has Irretrievably broken down. Between 1970 and 1974 the annual number of divorces rose in England and Wales from soma 58,000 to 115,000 will 0 in the three years 1973-1975 some 680,000 men ond women had their marriages that between a quarter and a lifth of all spousas will experience divorce. Those who wont to know how we compare with other countries will find that the second collition of Carter and Glick's book pravides a coopendium of demographic, legal and socioeconomic facts concerning marriage and marriage steadows within the United States. The last chapter. It is in this respect that the blook becomes a valuable source of reference.

Marriaga seems as popular as ever. But compared to twenty years and socioeconomic facts concerning marriage and marriage beneakdown within the United States.

find that the second edition of Carter sand Glick's book pravides a colopendium of demngrapite, legal and socioeconomic facts concerning marrisgo and marriege breakdown within the United Stotes.

The first 12 chapters ero as printed in the original 1969 edition. One chapter does provide a comparison of international marriage trends based on rather crinde lata drawo from out-of-date United Nations Demographic, Yenrhooks. Otherwise the American outhors base their marriage is the increasing number of young people engaged in higher

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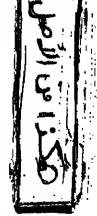
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Applications are invited from portons with an injurent in any of the main sream of educational study for a Chair of Education which became vacant on the reifreenant of Professor W. F. Connail. The fields of interest of the other two Professors of Education and Educations! Measurement (Professor D. Spoarritt) and Tenchar Education and History of Education (Prefessor C. Turney).

24 March, 1977.

University of New South Weles, Sydney LECTURER DEPARTMENT OF CHEMISTRY

Paguity of Millery Studies Ountroon, Camberra Ountroon, Canherra

The University of N.S.W. has established a Feaulty of Military Studies at the Royal Military Coilege, Duntroon, A.C.T.
The University and the Department of Defence are developing the Faculty towards as autonomous degree-conferring body. Appointment will be to the staff of the University and normal conductors of employment will obtain. On catablishment of the Faculty as an autonomous body, the staff of the Faculty will become members of the new body.

Applications are incided for The successful applicant will be the volu inorganic shemisy wilden like Department, and will be expected to tract, at all undergradunic levels, Fh.F., degree is required and post-doctoral reperience would be dealtable. The appointed will be spected in pursue at active rescords programme, ac accusedly in inorgania chemistry.

28 February, 1977,

Le Trobe University. LECTURERS/SENIOR LECTURERS IN LEGAL STUDIES

Department of Legal Studies Department of Legal Studies

The Department forms part of the School of Social Schinges and offers courses leading to a B.A. degree, in conjunction with the Departments of Politics, Sociology, Evoncoites, Geography, History and other related disciplines. It also bee postgradunts students working towards the degrees of M.A. and Ph.D.

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And degrees granted by the Department are not a qualification for the practice of law and the caupitable in the curriculum and the reasonable done within the Department is upon the role of tow in society. At present, most of the caures ullered within the Department can be divided into three broad streams; (i) criminately, criminal law and its administration; (ii) the role of low in economic activity; and till) public law and its impact. Additional courses outside these streams are also offered.

Applicants should here a good legal qualification is mother discipling, or should possess a good qualification to smother discipline, or should possess a good qualification to smother discipline and a substantial interest in law related matters; Relevant tertlary teaching experience will also be taken into account.

1 March, 1977.

Flindere University of South Austrells LECTURERS IN SPECIAL EDUCATION

Por this appointment applicants should have the applicants should have the acceptance should not be experience to contribute to general courses in Special Education and Fu develop specialist courses in one of the following great i physical handleap, learning disabilities, social deviance, multiple.

discipline area which contributes to the study of Education, for example. Scelelogy or Psychology. r March, 1977.

LECTURER IN POLITICS Bondel of Social Soleness

Preletence will be given to applicants with an interest in Australias politics, but application in the flushes of International politics. Clainess politics, African or Comparative politics would be weekome. Interest in the multi-disciplinary courses infered by the School of Social Sciences will be ancouraged and opportunities for participation in such courses provided, 28 Fobruary, 1977.

University of Melbourne READER/SENIOR LECTURER DEPARTMENT OF

STATISTICS The appointee will be overeind to have a strong background in methematical stollates and probability theory; exteriored in applications and consulting will be on advantage.

Dutles will include undergradues teaching, supervision of research riudcets and octive invulvement in research and/or consultency, 8 April, 1977.

LECTURER IN GERMAN

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If is expected that at first the lecturer will belp to fituminate can or more of the cristing seess of specialisation within the department but later stay introduce a pow course.

28 February, 1977.

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The posts ore to be filled in the Summer of 1077. An oppointment at Seeler Lectures tovel for one of the two posts would carry responsibility for the degrap count in Accounting and Financial Auministration within the Department of Sconomics.

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1. DEPARTMENT OF MATHEMATICS (b) SENIOR LECTURER (c) LECTURER

Applications see invited for the following poors:

(C) LECTURER

For all pasis, applicable should possess a Ph.O. In Malkometica, for its posteronce will be given to Applied Mathematicians with tessach inferest in Physical/Biological probleme but applicable with tessach inferest would also be considered Applicants must be able to teach a versiely of undergraduate courses and should be able to initiate and supervisu research work in their area of studies. Research and supervisu research work in their area of studies. Research and feaching expenience at University lovel is essential. For (b) the area of specialisation is open but applicate must be able and prepared to learn undergraduate courses in Pure or Applied Mathematics. Research and leading experience at University level is geoential. For (c) preference will be given to condidates whose interest in research is in the broad sunn at Printability/Massure Theory, Topgiegy/Geometry of Quantum Field Theory.

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2. DEPARTMENT OF STATISTICS (a) RESEARCH FELLOW

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Fellowships

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Polytechnics

Faculty of Business—Barking Precinct Depertment of Accounting and Finance

Principal Lecturer in Accounting

A vecancy exists for a Principal Lecturer to play a major tota in Patt 2 of the Accounting and Finance degree course and in the fine degree of preferences course. A preference accounting qualification and subjectuent professional expensions is described and subjectuent professional expensions in describing experience is destroble.

Salory Sonts: Principal Lacturer: £5,946-£7,578

(Plus £312 Supplement and appropriate London Allemence)
Fut their details and application form from: Senior Stalling Office (2) North East London Polytechnic, Forest Read, London E17 4J8.

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Completed applications is be returned by the 14th February.

Please queta above retermen no.



NORTH STAFFORDSHIRE POLYTECHNIC

FACULTY OF APPLIED SCIENCE LECTURER/SENIOR **LECTURER** in GEOLOGY

The successful epplicant will participate in the development of Geology and Earth Science generally, in the Polytechnic. The duties will include the teaching of Geology at Honours Degree level. Completed application forms should be returned within two weeks of the appearance of this

Salary scale: Lecturer II, 23,279 to 25,493
Senior Lacturer, 25,031 to 25,955
(barl 66,417 and supplement of 2312,00. Application forms and further particulars may be obtained from the Deputy Director (Stelling), North Stellordshire Polytachnic, College Rood, Stoke-on-Trent ST4 2DE. Telephone (0782) 45531.

Administrative Assistant

£3,126.10 £3,450 CO,140.10 CO,400 to Susinose, Barking Freeint, Longbildge required in the Faculty of Susinose, Barking Freeint, Longbildge Rued, Desgonham, Essex, to assist in the development, design end operation of administrative procedures to support the Faculty's endednite and edecational work. He/sho with be involved in closely and the short-term and long-term Fassity Planning contributes and the provision of incis and figures on student demand and stail development.

NELD North East London Polytechnic



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The Dapartment of 15 Economisia is responsible for a (C.N.A.A.) Honous Economica Degrae end teaching Economics on, a number of other dagree courses. The succeeaful candidate would be expected to be able to teach linel year under-graduates Economic History and liret year Economics on the Economic Degree Course.

Appointment will be made at Lecturer II/Sonior Lecturer level, depandant on qualificotion and experience. Salary scela :

Lecturer If £3,279.£5,493

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Application form and further particulars from the Daputy Director (Staffing), North Statiordahira Polytechnic, Collaga Road, Stoke-on-Trani ST4 2DE.



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HEAD OF DEPARTMENT OF ART AND DESIGN (Grade V)

Due to the retirement of the present Head, a vacancy will occur from September 1977 for a person to take charge of an expanding department, at present operati hosours degree courses in Industriel Cesign and Interior Cesign. Also a Clothing Management course leading to the professional examinations of the Clothing Institute.

A young, well qualified professional artist, architect or designer of repute is sought to lead an enthusiastic term in degree teaching and research.

Candidates should be exte organisers with considerable experience to, and / or knowledge of, at 1 and design education at undergreducte level.

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On behalf of Ngee Ann Technical College

Shipbuilding and Repair Technology This new Department of a rapidly developing FE/HE

Collega regulres a Senior Lecturer £6134-£7217

with a good honours degrae, preferably in Neval Architecture, and at facal 7 years relevant leaching and/or industriel (Shipyard or Merine Engineering)

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The post is initially on a 3-year contract (useewablat and iscludes the usual overseas benefits. Details and application farm, to be retained as soan as passible, itom. The Establishment Officer 309 Regant Street Landge W1R SAL. 01-586 2826 Ext. 212.

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To be responsible for wellars advice in students within the West Ham oras, appointed will be a mamber of a learn whose objectives is to provide services for stadents in order to solve any problems that liney may have. No specific qualification is required, siftength sociol work training count be available. Relevant exposience is desirable as is boing a nor owner. Seme would be valuable, and physical gargiaphy of East London would be valuable, and physical gargiaphy of East London the starting point will be depended on age, qualifications and separations and separation of the starting point will be depended on age, qualifications and separation is serviced to the service of the service of

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The University cities a twoyear comes leading to the higher
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Colleges of Higher Education

EALING COLLEGE OF HIGHER EDUCATION

(A margar of Ealing Technicol College and Thomas Huxley College of Education, Ealing)

Research Assistant in Economics

Graduata required to essist with research project on aspects of the contemporary maritims Illin. Good knowledge of aconomic enalysis ont abthly to handle quantitative meterial important. Knowledge of transport occupities end a foreign language on indvantage but not essential. The poet is tenable from 1st Morch 1977 until 3tst August 1977. SALARY :

L/I £2,469 to £4,377 p.s., plus £402 p.s. London allowance plus £312 p.e. aclary supplement Application forms and further datalls from The Registrar

(Room 17), Ealing College of Higher Education, St. Mary's Road, Eeling W5 5RF (addressed Inciscap envolope places). Tel. 01-579 4111, Ext. 2B7. Closing data: 11th Fabruary, 1977.



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to essiat in the leeching of nawly developed courses in Modern and Contemporary European (Including Billish) History to both BEd and BA candidates.

Further information regarding the vacancy can be obtained from the Principal, The Avanua, Southampton 809 5HB.

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Principal Lecturer in Sculpture

Applications are leviled from practising artists for the past of Principal Lecturer (with speciet responsibility for CNAA BA

Salary Scole: (In accordance with the Burnham F.E. Report), £5,940:£6,642 (bar) £7,578 plus £312 supplement and £402 Inner

Further details and application forms obtainable from The Registrar and returnable within fourteen days of the appearance of this advertisement.

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Colleges and Institutes of Technology

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Colleges of Further Education

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General Vacancies

INNER LONDON EDUCATION AUTHORITY

Inspector of Design and Technology

Salary range: £7,660 - £8,461

Inspector required for primary school Craft, secondary school Design and Technology and a range of bother

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Applicants should be highly qualified with wide teaching. experience and must be lamiliar with recent developments In Design and Technology.

Details and application forms from the Education Officer (EO/Estab 2A/1), Addington Street Annoxe, The County Hall, London SE1 7PB. Forms to be returned by 1! February 1977.

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DRAWINGS AND MAPS The present holder of this post reliras in August 1977.

Applicationa ere invited from persons with approprieta qualifications and experience for this position. Applicante must heve a good honoura dagree in a sutteble subject and e thorough knowledge of Welsh and

English is essantiel. The person appointed will be expected to enter upon hia dutias on 1st Saplambar, 1977.

The salary scele will be £7,455 x 3 ennual incremanis-£9,122 per annum and a contributory superannuetton schama applies.

Further delette end application forms may be obtained from the Becretary of the Library at the above address and applications must reach the Librarian not leter than Saturday, 19th March 1977.

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Applications are invited for the above post which will become vacant in September, 1977. Applicants should bocoma vacani in september, 1977. Applicants should have an honoura degree in Agricultura or a releted subject, taaching experience end preterebly heve undertaken some research work in livestock production.

Selary within the Ganior Lecturer/Principel Lecturer grades in Burnhom Scela for Collegea of Further Education.

Further deteils and application form obtainable from the Burser, Harper Adama Agricultural College, Nowport, Setop TF10 SNB.

Does a puzzle challenge you to solve it?



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EDITORS FOR A GERMAN/ENGLISH DICTIONARY

Wo are at prosent working on thin final stages of a now German/English dictionary and are soeking both English end German native speakers to ton

Oughtications required are at least a litst Degree in Garmen or English together with some relevent experience in linguistics, transfallon, lenguage,

Work on the project is of a contract natura envisaged initially as eighteen months. The tocation is in our new complex to the North of Ginsgow but possibly lise lance attangements could be nitide to enable the work to be done elsewhere.

Robin F. Jordan. COLLINS PUBLISHERS 144 Cathedral Street, Glasgow G4 0NB

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Administration

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ABSISTANT ACCOUNTANT To supervise oil riay to-day secounting operations and in monitoring and assist in development of the computerized system. Applications ato invited from nowly qualified occurrents of the part qualified occurrents of the part of the pa SUPERANNUATION OFFICER To maintain racords and appropriate accombines for the silver and accombines for the silver and accombines for the silver and the silver accords. Applications are instant from those wills release approximately of the silver and the second administer to the silver and the silv

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PLYMOUTH POLYTECHNIC **Administration**

> Committee Clerk

Salary, £3,825 to £4,095 plus £312 p.a. supplement To be responsible to the Secretary of the Polytechnic for preparation of agendas, numbes and reports, and general edministrative work arising from the Governing Gody, the Academic Board and their sub-committees; and to co-ordinate a central information services. Sound administrative background, experience of committee work and experience of stell, and an ability

to work with people of all levels in an academic mishilution are essential. A good G.C.E. standard to expected ea e minimum. but e forther qualification is preferred.

Application forms to be returned by February 11, 1977, can be obtained with further details from the

Personnel Officer

Drake Circus, Plymouth, Devan, PL4 SAA Commence of the second second

Overseas

QUEENSLAND INSTITUTE OF TECHNOLOGY BRISBANE - AUSTRALIA

CHIEF LIBRARIAN

Applications era baing catled for the position of Chiel Librarian at the Quaenstand Institute of Technology in Brisbers.

The Intelitute is an eutonomous tertiary inalitution of oldering a wide renga of dagree progrems in the fields of Applied Science, Haelth Science, Mathematica, Computing, Engineering, Surveying, Businese Bludias, Law, Libratianship, Architecture, Building, Industrial Decima Planning and Landscape Architecture. Daelan, Planning end Lendscapa Architactu The Chial Librarian will be reaponable to the Director tor maneging and developing the insiliuta Libraty in which the holdings at present number epproximately 80,000 Monogrephs, 4,000 Satiel Titles and 3,500 Multi-

Madio Titles. A total of 43 slett are ourranily amploye in this area. In mid 1977 the Librory will move into a new air-conditioned building which provides for substantiat growth. Spece currently dedicated to this purpose amounts to 65,000 square test.

The Deputy Director of the institute will be in London from the 8th to 28th Jenuary and prospective applicants are invited to discuss details of the position with him during their period. Appointments may be erranged through the Official Secretary, Agent General for Queenoland, 392-393 The Strand, London WC2R OLZ.

The anlary is tied to the Acedemic scale and an appointment will be made within the range A\$20,62B to A\$24,971, depending on qualifications and experi-المحاول والمحكود في من من من الما أن المحاول ا

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If the Middle Component had occurred an one of the name of the Lexibanks. In fact it forms the third component, between chocolion and main subject, of the homours liked course offered by what until recently have been the colleges of education within the School of Education of the University of Southampion, the first examination was held in June 1969; the lust will be in 1978. There were 427 candidates in June student sees it as "compoversal,

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SALARY RANGES: Level 3 \$A11,851-\$A13,687

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George C. Allen describes the part, He will help with suggestions, particularly in the early stages, but

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Southampton University's honours BEd

In addition, individual southers should two reports, each of whint 3,000 words. One an approclase of the group's enterprise as a white the other the student's evaluation of his own countribution to, and learning from, the study. Some have criticized the assessment partern, claiming that group saidy should enliminate in group assess-should enliminate in

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More leve some detailed.

Overseas continued

NEWCASTLE COLLEGE OF ADVANCED EDUCATION

(Principal : E. Richardaon, B.Sc., Ph.D.)

AUSTRALIA

Level 3 \$A11,851-\$A13,667

Level 2 \$A13,850-\$A15,925

SOCIAL WRIFARE—Layol 3 | Ro-adverland]: The successful applicant will be supured to louch in the Social Wolfur programmes of the College and in successful in the supervision of students in fleid studies. He/she sheepest to good qualifinations in Sacial Work, presentably with studies in an one of the following areas: Community Oovelepment, Fernity Welliam, of the following areas: Community Oovelepment, Social Post of the second of the seco

HEADS OF DEPARTMENTS (3) SALARY: \$A24,009

design, catamica and glass is diplans students in the Att and Att Education Capariments. Degree caurses in these areas have been prepared end assessed and a decision an their saccatebility is capacited shortly.

Mr. L. A. Wars, an eminent acultiper and leundation Hoad at the Oopariment, is retiring in mid 1677.

The Cellege is eaching is appoint an artist of high reputs from any field at time art. An interest and experience in an acucation would be an advantage. The appointment in the litat instense will be so Hoad of Capariment of Art but it is they that in the near tuture the academic structure of the Callege will be attered and achieve the academic structure of the Callege will be attered and achieve the academic structure of the Callege will be attered and a school of Cuffurst Studies will ombrece the College activities in Art and cross intent of Art within the Softest. It is heped that the parsen appointed will have quellitications which will make him suitable for consideration for headship at this likely new school.

HEAD OP OEPARTMENT OF INOUGTRIAL ARTS: The Industrial Arts Department has an academic complement at 22 with appropriate aupport and encillarly sloft and presently olders studies to students in teacher education in majertals actence, encolnering mechanics, drawing and design, metal technology, wood ischnology and crafts. As the planned diversification of acurses princede the department, and the caurses.

Art W. E. Wilcox, the loundation head at the department, is retiring early in 1977. Mt. Wilcox was responsible for the devolopment of highly tegeraded teachers education ceurses in industrial Arts. The College precently uffers a 4-year Bacheler of Education Industrial Arts. The College precently uffers a 4-year Bacheler of Education Industrial Arts. The college precent part of the provide and the application of asserts fluidings to precent of the provide and the application of asserts fluidings to precent academic ceurs will be accessed to provide addence at the provide authority and the appli

odvaniage.

HEAO OF DEPARTMENT OF SCIENCE I The Sojence Department has an academic complement of 13 with apprepriate support and encillary staff and offers studies in athysics, chemistry, geology, bleogy, eclence and academic and results and societe studies, and netwal science detected and several send degree obtains in teacher advantage and several send agree obtains in teacher advantage and the department may be required to offer staties in after courses. The present head, Mr. J. P. Ocherly, a highly regarded colonce education alone 1951 and heap played a climificant relation the development of courses to secondary students and for teachers in acceptage of solence.

If he expected that Mr. Ocherly's oucceoor will posanse a higher depice, preferably at decloral level. An interest in several branches of solence aducation is cossential. Condidates will be expected to provide evidence of innovolive teaching and the application of seconds lindings to professional procitico.

SENIOR LECTURER

SALARY RANGE: \$A18,795-A20,170

SOCIAL WSIFARE (Re-advaitised): The auccessful epplicant, who will be responsible for the Social Welfare programmo of the College, will be expected to establish and implement critaris for the treining and accreditation of Field Oevelopment supervisors and to supervise the field Oevelopment programme, He/sho will also be responsible for establishing a cludent placement system and procedures for the outpervision of students. In addition, he/she will be responsible for developing cubises and locuring in one or more of the components of the Social Welfare course, a.g. Community Development, Family Welfare, Heolth Sorvices, Counselling, it is expected that the successful spelicant, will have list dispersione in tertiary education, incluring wide experience in the organisation. Social stable placements. The applicant must be oligible for membetch and placements. The applicant must be oligible for membetch.

General Vacancies

MANCHESTER THE HAZING INSTITUTE

CHUT SONI ASON

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10.20 Open Furum Vncation Lociure 4
Cless titludes since yorld War II
given by Aribur Morwick. Profreson
ul Italory, Open University.

Forthcoming events

he held on February 10 at 11 Hoper Belgrare Street, London SW1X 8BH, at 2.30 pm. Futther detalls from C. D. Morgau, the Institution of Structural Engineers, 11 Upper Belgrave Street, London SW1X 8BH.

Morgan, the Institute of Structural Engineers, 11 tipper Belgrave Street, Loadon SW18 8III.

Institute of Public Finance and Accommancy, will be held on February 2 and 3 nt the London Tara Hotel, Wrights L8ne, London W8. It will review developments in the financial end management structure of higher education. Fee: Residential, 150. Non-residential, 140. Further information from the Secretary, CIPFA, I Buckingham Place, London SW1E 6IIS.

"Teaching Towards an improved Uniterstanding of Structural Behaviour", a colloquium organized by the Institution of Structural Engineers, will be some BBC 2 between heaven the supportance of the institute of the founding president of the Institute (February 7): "Colour Photography "Tebruary 7): "Colour Photography "Tebruary 10; "Nuclear Fuel Reprocessing February 10; "100 Years on—contemporary themists" (February 11). Transmission will be on BBC 2 between heaven the support of the support

INSTRUCTION - READING.

reading and or language arts.

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approach to the use of technology

and graduate studies in the design and application of aducational

To teach in the specialised area of

LANGUAGE ARTS

Universities

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A 10-week course on devolution organized by the department for extramorel studies of the University of Stirling started this week. It will outline the turis in the dehale and look at the future of Scottish pullifes. Fee: (2.50, Further information from Mr V. J. Hanliy, lecturer in suchday, department of suchday, Hulrersity of Stirling.

The National Centre of Tribelogy at Risley is repeating a course on the problems of learing design on February 10 at which the causes of hearing fallore will be discussed. Among lecturers will be Professor 11, Helling, professor of engineering tribulary, Salford University, Course Fee: 145. Noticeboard is compiled and Pauline Gamble

Overseas continued

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To teach curriculum theory and clevelopment at the undergraduate and graduele lavels.

SALARY SCALES: Tujor Latg7,241 — 8,800, Sonior Tuter Latg9,398 — 10,231, Lociurer Latg10,368 — 13,766, Senior Lecturer £14,070 — 16,477 (at the cuttinit tate of exchange). Solation are payable in

QUALIFICATIONS: SENIOR LECTURER - A good higher degree and considerable experience, including tertiery teaching, are preferred. LECTURER - Post Graduels qualifications with experience, including teaching are preferred. SENIOR TUTOR/TUTOR - A relevent degree with some industrial or teaching experience is preferred.

TENURE: Appointment may be alther tenured or non-tenured for a period of up to three years.

APPLICATIONS: Detailed applications, including a curriculum vitae and the nomes of three referens should be submitted to the Migration Lietson Officer, Western Australia House, 115 Strand, London, WC2R OAJ.

A brochure societing further information may be obtained from the above address. Closing date

When applying please quote reference HE5.

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